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Main 6134 - 1321-27 15th Street, DENVER, COLORADO



GOLD SPIKE CARROT



BONANZA CABBAGE



GREAT LAKES LETTUCE — STRAIN A-36



CAVALIER, SHORT TOP RADISH

**1954  
GUIDE**





**ZINNIA, DAHLIA FLOWERED MIXED**  
Pkt. 10c; ¼ oz. 30c; ½ oz. 55c; oz. \$1.00



**ZINNIA, LILLIPUTS MIXED**  
Pkt. 10c; ¼ oz. 35c



**PANSY, PERFEGRO GIANTS**  
Pkt. 25c



**POPPY, ICELAND**  
Pkt. 10c



**DAHLIA, UNWIN'S IDEAL BEDDING MIXED**—Pkt. 10c



**NASTURTIUM, Double Sweet Scented GOLDEN GLEAM**  
Pkt. 10c; oz. 25c



**ALYSSUM, ROYAL CARPET**  
1953 All-America Selection  
Pkt. 25c



**PETUNIA FIRECHIEF**  
Pkt. 25c



## DENVER, COLORADO

**NOTICE**—While we take all possible pains to supply only pure and reliable seeds, **WE GIVE NO WARRANTY**, expressed or implied, as to the productiveness of any seeds or bulbs we sell and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed. When mentioned, purity and germination tests are for information only and without guarantee.

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If you have any neighbors or friends whom you think would be interested in our Catalog, if you will send us their names and addresses in the specially prepared spaces below we will send them a copy of this Catalog and place their names on our mailing list for future issues of same.

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# VEGETABLE SEEDS

## FOR CRITICAL PLANTERS

### ARTICHOKE

The artichoke is grown for its edible blossoms. It is a perennial but requires renewing every two or three years.

**LARGE GREEN GLOBE**—The standard variety for home and market gardens. A perennial, but not hardy in the north. Flower heads large, globular, deep green, with fleshy bases on the bud scales.

Postpaid (Pkt. 15c) (Oz. 50c) (¼ lb. \$1.50).

### ASPARAGUS

**CULTURE**—One ounce for 300 roots. Asparagus seed is sown in the spring. The earlier the better after frost is out of the ground and the soil is in good workable condition, not sticky. Scatter the seed an inch apart in drills 2 to 3 feet apart and cover with about ¼-inch of soil. Keep cultivated, well watered and free from weeds.

**MARY WASHINGTON**—The best rust-resistant variety, heavily productive, producing large deep green shoots of the highest quality.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 60c) (lb. \$2.00).

### GARDEN BEANS

**CULTURE**—Beans can be planted with safety any time from May 15th to August 1st. They do better in a light sandy loam soil, but will thrive well in any good garden soil. Sow in rows 2½ to 3 feet apart; 1 lb. will sow a row 100 feet long; 60 to 90 lbs. will plant an acre. For a continuous supply plant every 10 days until August. Never cultivate or handle beans when the vines are wet.

Maturity periods listed means in the wax and green pod varieties the number of days required to produce snap beans. In Lima Beans the time required to produce green shell beans and in the Field class, the number of days required to produce dry shell beans fully matured.

### GREEN PODDED BUSH BEANS



TOP CROP BEAN

**BOUNTIFUL OR EARLY SIX WEEKS**—51 days. Very prolific producer of flat entirely stringless pods of clear light green, 6½ to 7 inches long.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**BROAD WINDSOR (Fava or Horse Bean)**—75 days. An Italian variety used as a shell bean. Beans are large, broad, flat light green 6 to a pod.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**BURPEE'S STRINGLESS**—54 days. Gardeners and canners like this stringless and fiberless bean for its excellent quality. It sells readily on the market, and for cut beans for canning, it can't be beat. Pod 6 inches long, medium green, round.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**CONTENDER**—48 days. Pods thick oval, 7½ inches long, slightly curved, dark green. Plants vigorous, resistant to bean mosaic and partly so to powdery mildew.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**FULL MEASURE**—60 days. Very desirable home garden and canning variety. Pods, medium green 6½ inches long, round, very fleshy, brittle and stringless.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**GIANT STRINGLESS**—56 days. Pods medium green, round, about 6½ inches long, very fleshy with marked indentation between seeds. Brittle and stringless.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**LANDRETH'S STRINGLESS**—54 days. Pods medium green, nearly round, very fleshy, stringless, fine grained and tender. Retain their green color well, very productive.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**TENDERLONG No. 15**—50 days. A new high yielding green pod variety of superior quality; has same features as Tendergreen and adding disease resistance to pod mottled viruses and some forms of powdery mildew.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$4.50) (25 lbs. \$10.00).

**NEW STRINGLESS GREEN POD (Tendergreen)**—53 days. Pods average 6 inches in length, are an attractive dark green, nearly straight, round fleshy, stringless and of excellent quality.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**PLENTIFUL (Black Seeded Bountiful)**—53 days. Very desirable for shipping or home and market garden. An improved, very productive variety of the Bountiful type. Noticeably resistant to certain rust diseases. Pods flat, 7½ inches long, straight, medium deep green, brittle, stringless and of distinctive flavor.

Postpaid (Pkt. 10) (¼ lb. 25c); (lb. 60c) (2 lbs. \$1.15) (5 lbs. \$2.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**STRINGLESS BLACK VALENTINE**—Round Pod. 55 days. Excellent shipping variety, pods 6¾ inches long, medium green, nearly straight, stringless and of fine quality. Retains its color and texture long after picking, very prolific.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50).

**STRINGLESS LONGGREEN**—56 days. A new market bean originating from the New Stringless variety. The season, vine, pod type and color are similar to regular New Stringless, but has longer pods. Pods are round, straight, dark green in color and 7 inches long.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).



## GREEN PODDED BUSH BEANS—Continued



IMPROVED GOLDEN WAX BEAN

**RUBY DWARF HORTICULTURAL**—53 days. Excellent for green shell use and snaps. Pods dark green, flat, stringless at snap stage; greenish yellow splashed with carmine and nearly round at green shell stage.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50)

**STREAMERLINE**—51 days. A good home and early market variety. The pods are 7½ to 8 inches long, slender, straight with a slight curved end, flat, medium green in color.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$7.50)

**TOP CROP**—The All American Gold Medal winner for 1950. 53 days. Plants grow 15-16 inches high with about 23 inch spread. High yields are borne during a short interval, giving a few large pickings rather than a number of small pickings. The pods are 5½ to 6 inches long, 7/16 inch wide, and round. The color is slightly lighter green than Tendergreen. They are straight to slightly curved, smooth entirely stringless. Top Crop is an excellent market, canning and freezing type. Seeds are oval, brown mottled and Mosaic resistant.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$4.00) (25 lbs. \$9.00).

**WADE**—55 days. This variety is resistant to common bean mosaic and powdery mildew. It has a deep green pod, 5½ to 6 inches long, round, slender with reddish brown seed. Holds its pods well up off the ground and is a top quality bean with very heavy yields.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$4.00) (25 lbs. \$9.00).

## WAX BEANS

**CHEROKEE**—52 days. Plant large and erect, pods 6 inches long, golden wax, oval, nearly straight, stringless at all stages, tender and of good quality.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**IMPROVED GOLDEN WAX**—51 days. Pods 4½ to 5 inches long, stringless, of rich golden yellow color, nearly flat. Superior in quality and yield.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**ROUND POD KIDNEY WAX OR BRITTLE WAX**—58 days. Plants of medium size, with tender succulent buttery flavored beans. Ideal for home use and canning. Pods 6 to 6½ inches long, lemon yellow in color and stringless.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**PUREGOLD WAX**—63 days. Pods are 5½ to 6 inches long, slim, round, golden yellow and stringless. Bush dark green, about 18 inches high. Seed white with light brown coloring around the eye. Resistant to common bean mosaic.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).

## POLE BEANS

**BLUE LAKE**—68 days. Vine dull green, climber, white flowers. Pods 6 inches long, curved round, stringless when young.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**KENTUCKY WONDER OR OLD HOMESTEAD**—65 days. Pods medium green, borne in clusters, are round, 7½ to 8½ inches long, curved. Have delicious flavor and cook tender at all times.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**KENTUCKY WONDER WAX**—68 days. Considered the best wax podded pole bean. Has beautiful flat, nearly stringless, waxy, yellow pods.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**OREGON GIANT**—71 days. A desirable snap bean. Plants sturdy and prolific. Pods long stringless when young, splashed purplish blue.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).

## BUSH LIMA BEANS

**BURPEE'S IMPROVED**—75 days. Thick seeded or "potato type." Pods 6 inches long and 1¼ inches wide. Usually contains four large thick, fat green beans, fine grained and tasty.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**FORDHOOK**—75 days. Plants strong, erect, bearing pods in clusters of 4 to 8. Pods measure 4 to 5½ inches long and contain three to five large thick green beans.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.75) (25 lbs. \$8.00).

**GREEN SEEDED LIMA**—68 days. The beans are somewhat thick, and have a particularly pleasing light green color which does not become white at the later picking stage. Highly productive, intended primarily for freezing and canning.

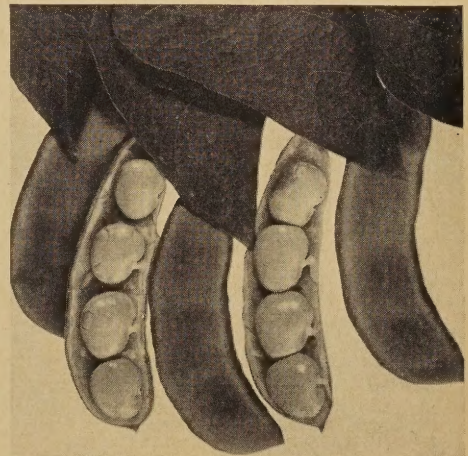
Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$4.00) (25 lbs. \$9.00).

**FORDHOOK No. 242**—75 days. Recommended for shipping and home gardens. Pods uniform in size, broad, thick and contain 3 to 4 beans of finest flavor. Seeds large, thick and plump.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$4.00) (25 lbs. \$9.00).

**HENDERSON'S (Baby Lima)**—65 days. Plant medium large, very productive. Small pods 3 inches long contain 3 to 4 green shell beans of very fine quality. Plants bear continuously.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (2 lbs. \$1.25) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.25) (25 lbs. \$7.50).



FORDHOOK LIMA BEAN



## TABLE BEETS

**CULTURE**—Sow 2 ounces to 100 feet of drill; 5 to 6 pounds per acre.

**DETROIT DARK RED**—Excellent for home and market garden, shipping and canning. Roots oval, dark red color, remaining tender even when full grown. Small collar and tap root.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**DETROIT DARK RED (Special)**—The outstanding variety for gardeners and canners. Top medium green, tinged with red. Roots globular, smooth, uniform, attractive with small tap root. Color deep oxblood red. Flesh dark red with faintly defined rings which disappear entirely when beet is cooked.

Postpaid (Oz. 25c) (¼ lb. 60c) (lb. \$1.75).

**PERFECTED DETROIT (Special)**—A mid-season variety. Tops tall, green and red. Roots globular, medium, flesh purplish red, sweet and tender. Specially bred for earliness and dark color. Ready for market in 50 to 60 days from time of planting.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.75).

**CROSBY'S EGYPTIAN**—An early variety for home and market garden use. Roots flattened, globular in shape, with small tap root; dark red. Top medium, flesh purplish red, sweet and tender. Specially bred for earliness and dark color.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**GREEN TOP BUNCHING**—60 days. Early, extremely attractive bunching beet. Tops medium sized and erect. Foliage clear, grayish green that does not turn red or brown in the fall. Roots round, smooth and glossy, flesh bright blood-red.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**EARLY WONDER**—Valuable to truckers and shippers as a first early variety; also used for fall planting. Tops medium small, erect, leaves purple mixed with green. Roots semi-globular, flesh blood red with zones of lighter shades; tender and of good quality.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**EARLY WONDER (Tall Top)**—Same as above except leaves are much taller, excellent for bunching and beet greens.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**EARLY WONDER GREEN TOP**—Roots same as regular strain, tops all green, tall and erect, used for bunching and beet greens.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**EXTRA EARLY FLAT EGYPTIAN**—Very early, used by truckers for forcing to reach the earliest market. Tops small and erect. Roots flattish, medium dark red. Flesh bright blood red with light zones.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**VERMILION CROSBY**—55 days. Distinct for its light brick color, attractive on the market. Tops large and tall, medium green with red veins. Roots flattened globe or turnip shaped, smooth; outer color bright carmine red; flesh vermilion red, lighter zones.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.75).



BEET, DETROIT DARK RED

## MANGELS AND SUGAR BEETS

**CULTURE**—Sow 8 to 10 lbs. per acre. Sow in rows 2½ to 3 feet apart as soon as ground can be thoroughly worked. Cover seed about one inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart in the row. Mangels are a valuable feed for poultry and cattle. Thirty tons per acre is not an uncommon yield. For winter use store in pits the same as other root vegetables.

**DANISH SLUDSTRUP**—A good cropper and of high feeding value. Roots long, oval, reddish yellow. Grows half above ground, easily harvested. Flesh white, tinged with yellow.

**GIANT HALF SUGAR**—A heavy yielding, valuable variety for feeding. Roots long, oval; skin white, with rose-colored shoulder; flesh white with good sugar content.

**GOLDEN TANKARD**—Roots large, nearly cylindrical, partly above ground; skin deep orange, flesh yellow with white zones. Very productive.

**MAMMOTH LONG RED**—The most popular and the best cropper of all the mangels. Roots extremely large, slightly tapering; grow half above the ground; color light red, flesh white with rose tinge.

**KLEIN WANZLEBEN (Sugar Beet)**—The variety most used for making sugar. Roots long with thick shoulder, tapered; skin grey-white; flesh solid white.

**WESTERN GIANT SUGAR BEET**—A popular variety for sugar manufacturing because of high sugar content, also good for stock feed. Roots are long with white skin and flesh.

Prices on all above varieties: Postpaid (Oz. 20c) (¼ lb. 35c) (lb. \$1.00) (5 lbs. \$4.50).

## SWISS CHARD

**CULTURE**—Swiss Chard is a beet grown for its leaves. The midrib when boiled makes delicious greens, or the leaves may be boiled and served as spinach. Sown in the spring, the leaves are soon ready to eat and will continue to grow all through the summer and fall.

**DARK GREEN**—Leaves broad, upright in growth, very dark green savoyed with broad white midrib. This variety on account of its giant size and pleasing deep green color, will probably supersede other sorts.

**FORDHOOK GIANT**—Tall and sturdy; leaves broad, heavily crumpled, dark green; stems broad, thick white.

**LUCULLUS**—A new variety with curled leaves like a Savoy Cabbage. The plant grows nearly two feet high and the stem and leaves are very large and of fine quality.

Above Varieties: Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 35c) (lb. \$1.00).

**RHUBARB CHARD**—A recently introduced strain in which the stems and midribs are bright crimson red. Leaves crumpled, dark green with red veins. Attractive home garden variety.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.50).



RHUBARB CHARD



## BROCCOLI

**CULTURE**—Belongs to the same family as the cauliflower. More hardy and therefore better adapted to a wider range of conditions. Sow the seed in the same manner as for late cabbage, in May, and transplant in June or July, in very rich soil.

**DeCICCO**—An extremely early strain producing heads ready for market ten days earlier than Italian Green Sprouting. Plants medium tall, light green in color and very productive. Our stock of this strain has been carefully selected for uniformity and can be highly recommended as the earliest maturing strain obtainable.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**EARLY ONE**—Plants are 3 to 4 ft. high and branched, after the central head is removed a number of small heads are produced on stems 4 to 5 inches in length, color dark bluish green. If kept cut, the plants will continue to produce for 5 to 6 weeks.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**WALTHAM 29**—85 days. A slow bolting type producing a very compact head with small buds. Larger in size than regular strains, with more of a purple cast to heads. Stands more frost than any of the other varieties and for this reason is good for fall growing.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

## CABBAGE

**CULTURE**—One ounce of seed will produce from 2,000 to 3,000 plants. It requires from 4 to 6 ounces of seed to produce plants for an acre of ground. For early cabbage in the Northern States the seed should be sown in hot-beds in February or March, or about six weeks before the ground outside is ready to receive the plants.



GOLDEN ACRE CABBAGE

### EARLY VARIETIES

**GOLDEN ACRE**—65 days. An extra early selection of the Copenhagen type, and the earliest of the round headed cabbages, maturing with Jersey Wakefield. Plants small, dwarf and compact, with few outer leaves; heads of medium size, round as a ball, hard, solid and very uniform. The best early shipping variety on account of its hard medium sized heads.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$4.50).

**GREEN ACRE**—66 days. An attractive strain of Golden Acre. The type and general characteristics are the same, but Green Acre holds its green color longer and is thus of added value to market gardeners and shippers.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$4.50).

**GLORY OF ENKHUIZEN**—80 days. A second early sure-heading variety of excellent quality. Heads large, round, solid, with few outer leaves. Used largely for kraut, also by truckers and shippers.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. \$1.00) (lb. \$3.50).

**EARLY JERSEY WAKEFIELD**—65 days. Pointed head, medium early, very compact.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. \$1.00) (lb. \$3.50).

**COPENHAGEN MARKET**—75 days. A very early round head cabbage. Plants compact with short stems and hard round heads. Used largely as an early shipper and for early kraut. Fine quality.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. \$1.00) (lb. \$3.50).

**ITALIAN GREEN SPROUTING**—A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 inches of the stem, and are tied in bunches for market. Both stems and heads are cooked and served like cauliflower.

(Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

## BRUSSELS SPROUTS

**CULTURE**—Used in the fall and early winter. Plant resembles the cabbage, the edible part being the numerous very small heads or sprouts an inch or two in diameter formed on the stalk at each leaf joint. The culture is the same as for the cabbage, except the leaves should be broken down in the fall to give the little heads more room to grow.

**LONG ISLAND IMPROVED (Special Stock)**—Plant dwarf and compact, 20 inches tall; very uniform; stem well covered with firm round cabbage-like heads of 1¼ to 1½ inches in diameter, which mature in succession.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

Seeds of the late varieties may be sown in cold frames or in the open ground in April or May and transplanted in the fields in June and July. Seed of early varieties for late crop may be sown as late as June 10th and mature a good crop. Cabbage requires a well-fertilized soil to grow a successful crop; 12,000 plants will set an acre. Where the soil is infected with Cabbage "yellows," Yellow Resistant varieties should be planted.

**BONANZA**—86 days. A new outstanding shipping and market variety. The head is round, very firm, and uniform. Has the shortest core of any cabbage. Average 6½ inches in diameter and 4 pounds in weight. It forms a small firm head early in the season and continues to grow to maximum size, can be held in the field for a considerable time after maturity.

Postpaid (Pkt. 10c) (Oz. 60c) (¼ lb. \$2.00) (lb. \$6.00).

**EARLY FLAT DUTCH**—80 days. Second early variety with large flat heads.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. \$1.00) (lb. \$3.50).

### MIDSEASON AND LATE VARIETIES

**PREMIUM LATE FLAT DUTCH**—95 days. A justly popular and esteemed variety extensively cultivated for market and family use. Heads large, round, flattened and very firm; has a medium stem and is very hardy, fine for kraut purposes.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**VALLEY BALLHEAD**—100 days. A large sized, short stemmed, round head, firm and solid; heads weigh 7 to 8 pounds. Color gray-green, with creamy white center, of crisp texture and good quality. Desirable for winter storage and for kraut.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**DANISH BALLHEAD SHORT-STEM**—105 days. One of the best winter sorts and one of the most hardy; heads round, deep or balloon shaped and very solid. Good for storage and shipping.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. \$1.00) (lb. \$3.50).

**FERRY'S HOLLANDER**—105 days. One of the best varieties of late cabbage. Plants are short-stemmed, erect and compact, allowing closer planting than other late varieties. Heads become firm, when fairly small, reaching good marketable size in 100 days after setting in field, but continue to enlarge to full maturity in about 120 days.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**DANISH ROUND HEAD OR SHORT STEM HOLLANDER**—105 days. The most popular variety for fall and winter use. Desirable for shipping, storage and kraut. Plants medium with short stem. Heads solid, deep round and attractive.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. \$1.00) (lb. \$3.50).

**PENN STATE BALLHEAD (Originator's Strain)**—105 days. Developed by the Penn Agricultural College. An extra heavy-yielding strain of Ballhead, with slightly flattened heads, and resistant to insect attacks.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**SHORT STEM HOLLANDER (Special)**—120 days. The best late variety. Heads become firm while still rather small, reach good marketable size in 90 to 100 days. Plants medium small, allowing closer planting. Heads remarkably firm and solid and of splendid keeping quality.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).



## YELLOW RESISTANT VARIETIES

**GOLDEN ACRE (Yellows Resistant)**—60 days. Valuable new addition to the list of early round head varieties. Produces heads ready for market ten days earlier than Marion Market. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**RACINE MARKET (Yellows Resistant)**—60 days. Selected from Copenhagen Market; same head type except that leaf is gray-green. Heads round, solid, of superior quality and 95 to 100 per cent resistant. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**MARION MARKET (Yellows Resistant)**—70 days. Selected from Copenhagen Market, but is later and has more blue-green foliage; heads larger, round and very compact; 95 to 100 per cent resistant. Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

**WISCONSIN COPENHAGEN (Yellows Resistant)**—70 days. A new yellows resistant Copenhagen that is early, very uniform short-stemmed with dark green foliage. It produces excellent 4 to 6 pound heads with good leaf overlap. Holds well without splitting. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**IMPROVED GLOBE (Yellows Resistant)**—75 days. Selected from Glory of Enkhuizen. A fine mid-season, round-head type, a few days later than Marion Market. Heads globe shaped, very compact, with small core. Heavy yielder, 95 to 100 per cent resistant. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**WISCONSIN BALLHEAD (Yellows Resistant)**—85 days. Selected from Danish Ballhead, identical in type and season. Round, solid, compact heads; short stem; blue foliage. Suitable for early fall shipping and when planted to mature late, suitable for storage. Heads smaller and more uniform than Wisconsin Hollander; will produce equal tonnage if planted closer. Very uniform in type and maturity, 97 to 100 per cent resistant. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**WISCONSIN HOLLANDER No. 8 (Yellows Resistant)**—90 to 100 days. Selected from Danish Ballhead. Not as uniform as the Wisconsin Ballhead. Heads round, slightly flattened across the top; color blue-green. A heavy yielder and ideal for storage and shipping. Highly resistant to the yellows. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**BUGNER**—100 days. Yellows resistant strain of Ballhead type heads, very large, flattened globe in shape and weighing 8 to 10 pounds. Very high yielding, a good keeper and well adapted for late market or storage. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**RED HOLLANDER (Yellows Resistant)**—100 days. A round-head, late red cabbage; very uniform; foliage purple-red, with heads becoming a deeper color with maturity. Heads solid and compact. Ideal late fall shipper and good for storage. Highly resistant to the yellows. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).



CHIEFTAIN SAVOY CABBAGE

## MISCELLANEOUS VARIETIES

**PERFECTION DRUMHEAD SAVOY**—90 days. The best of the Savoy type for general use; an excellent keeper. Heads nearly round, full and hard; leaves large, coarsely crimped, dark bluish green, of good quality. Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.50).

**CHIEFTAIN SAVOY**—88 days. Plants 12 to 15 inches tall, dark olive green and savoy leaved with a short stem. Head 8 inches broad by 6½ inches deep, weight 6 to 7 pounds, drumhead type, very solid, somewhat rounded at top and flat at base. Stands a long time without bursting. Very uniform and recommended for market gardeners. Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.50).

**RED ACRE**—90 days. Heads round and compact, color deep purplish red. Good for storage; earlier than Red Rock. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

**EARLY RED SUMMER**—88 days. A superior strain of Red Rock developed by careful selection for uniformity and quality. Heads round, hard and heavy, deep colored throughout. A good shipper. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

**MAMMOTH RED ROCK**—110 days. The largest and best red cabbage. Heads round, extremely hard; color purplish red; excellent keeper. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.50).

## CHINESE OR CELERY CABBAGE

**CULTURE**—Seeds sown out of doors late in July produce firm heads in October. The heads keep well in storage for at least two months.

**MICHIHLI**—75 days. A new improved strain, the plants are slightly larger and more uniform in growth. The heads are 18 to 24 inches long tapering from a 4 inch base. Very compact, white tinted with green, excellent quality. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.25) (lb. \$4.00).

**IMPORTED CHIHILI**—70 days. The imported Chihili is more vigorous, the leaves are dark green without the yellowish cast. The leaf margins are waved and the individual plants are very uniform, very sure heading and firm. Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

**WONG BOK**—Heads 8 to 10 inches tall, broad, firm. Well blanched, tender and excellent quality. Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. \$1.00) (lb. \$3.00).

## CAULIFLOWER

**CULTURE**—One ounce will produce 2,000 plants. Four to 6 ounces of seed are required to produce enough plants to set an acre. Cauliflower delights in a rich, moist soil and in dry

**EARLY SNOWBALL "A"**—Super Snowball type. Plants of medium height. Heads of good depth, solid, ivory white, and of fine quality. Early and very even in time of maturity. Postpaid (Pkt. 25c) (¼ Oz. 50c) (Oz. \$2.00) (¼ lb. \$7.00) (lb. \$22.50).

**SNOWBALL "X"**—Snowdrift type. Well adapted for use under a wide range of conditions and generally considered the most satisfactory strain for main crop for fall harvest. Plants are large and erect with ample foliage for head coverage. The heads are large, smooth, very deep, very solid and pure white. Postpaid (Pkt. 25c) (¼ Oz. 50c) (Oz. \$1.75) (¼ lb. \$5.50) (lb. \$17.50).

**WHITE MOUNTAIN OR SNOWDRIFT**—A vigorous type of the Snowball class and selected to produce a larger head than Snowball without losing its earliness. The pure white heads are remarkable for their great depth, weight and unexcelled white color. Adapted for summer and early fall harvest and used in districts having a short growing season. Postpaid (Pkt. 25c) (¼ Oz. 50c) (Oz. \$1.75) (¼ lb. \$5.50) (lb. \$17.50).

**PANAMERICA SUPER SNOWBALL**—A second early variety, it forms a head that is unusually solid, heavy and snow white, heading uniformly throughout the field and the whole crop is ready to cut inside of two weeks. The inner leaves curl over the head providing perfect protection from unfavorable weather. Postpaid (Pkt. 25c) (¼ Oz. 50c) (Oz. \$2.00) (¼ lb. \$6.00) (lb. \$20.00).

**SNOWBALL No. 34**—A selection in the super-snowball. Mid-season. Heads of medium size, very solid and of a perfect texture, ivory-white, long-standing and fairly heat resisting. Postpaid (Pkt. 25c) (¼ Oz. 50c) (Oz. \$2.00) (¼ lb. \$6.00) (lb. \$20.00).

**SNOWBALL No. 16**—The best all-around midseason cauliflower. Heads firm, solid and very white, well protected by inner folding leaves; curd has fine texture and is free from small protruding leaves. Postpaid (Pkt. 25c) (¼ Oz. 50c) (Oz. \$2.00) (¼ lb. \$6.00) (lb. \$20.00).



## CARROTS

**CULTURE**—One ounce for 100 feet of drill, 4 pounds for an acre. The carrot, like other root crops, delights in a rich, sandy loam, well tilled. For early crops, sow in spring, as soon as the ground is in good working order, say April or May;

for late crops they may be sown at any time from the middle of June to July. Sow  $\frac{1}{2}$  in. deep in rows 12 in. apart, thinning out to 3 in. between the plants. As carrot seed is slow to germinate, extra precautions must be taken to firm the seed in the soil.

**DANVERS HALF LONG**—75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6 to 7 inches long, tapered to a blunt end. Flesh bright orange, crisp and tender.  
Postpaid (Pkt. 10c) (Oz. 25c;  $\frac{1}{4}$  lb. 60c) (lb. \$1.75).

**DANVER'S HALF LONG (Special)**—75 days. An improvement on the standard strain with roots 6 to 8 inches long. Roots tapered to a blunt end. Flesh bright orange, tender, and of good quality. Best variety for shipping.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 65c) (lb. \$2.00).

**NANTES HALF LONG**—70 days. Popular coreless carrot, very stump-rooted and with fine dark orange color throughout. Small top.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 65c) (lb. \$2.25).

**NANTES STRONG TOP STRAIN**—70 days. This new coreless strain of Nantes has been especially bred for stronger tops so that they do not break off as easily when pulled for bunching. The tops are no larger but they are heavier at the crown, a distinct advantage for both market and home gardens. The roots are of the same fine texture as regular strain of Nantes.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 65c) (lb. \$2.25).

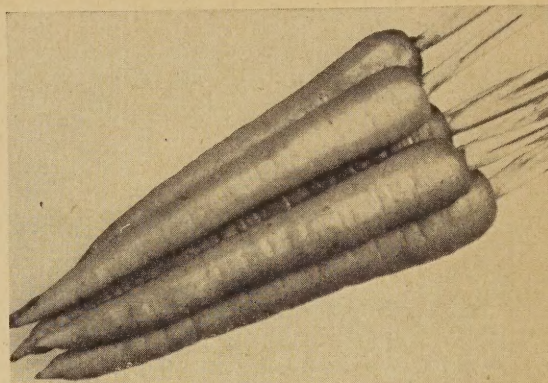
**CHANTENAY—LONG TYPE**—72 days. An excellent all purpose, medium early variety; desirable for home and market garden and for canning. A good cropper. Roots 5 to 6 inches long, deep orange, smooth, tapered, stump-rooted; flesh deep orange. Fine for bunching.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00).

**CHANTENAY RED CORED**—72 days. An improved Chantenay with good interior color, valuable for market gardeners and shippers. Roots of same size and shape as standard Chantenay; flesh reddish orange with indistinct core; tender and sweet.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00).

**COLORADO SHIPPER**—72 days. A new strain bred particularly for the shipping trade. Top short, dark green, strong enough for good bunching; roots long, deep orange largely blunt ended; flesh bright orange, tender and of good quality.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00).



RED CORED CHANTENAY CARROTS



EMPEROR CARROT

**SUPREME HALF LONG**—75 days. A new home and market garden variety. Resembles a small refined Danvers with short tops. Roots 6 to 7 inches long, about 2 inches in diameter at shoulder, tapering to a half stump. Exterior smooth and of excellent color. Core small and the same dark orange as the rest of the flesh.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00).

**STREAMLINER**—An ideal new bunching carrot for shippers and market gardeners. Tops short, rather sparse, dark green, and strong. Roots long, slender, nearly cylindrical; at maturity 8 to 10 inches long by  $1\frac{1}{4}$  to  $1\frac{1}{2}$  inches at shoulder; grow completely underground. Color very deep orange, cores small and uniformly red.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00).

**EMPEROR LONG TYPE or CALIFORNIA SHIPPER**—77 days. A long carrot with rounded shoulders, tapered to semi-stump end. Roots 7 to  $8\frac{1}{2}$  inches long. Top strong enough for bunching, flesh deep orange with indistinct core.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00).

**IMPERIDA**—90 days. A new shipping type carrot, a cross between Emperor and Red Cored Chantenay. Tops are definitely shorter but stronger than Emperor, which is advantageous in marketing bunched carrots. Roots 8 inches long,  $1\frac{1}{2}$  inches in diameter, flesh mild, sweet flavor, good texture, orange color.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.25).

**EMPEROR SHORT TOP**—77 days. The same fine quality as Long Type Emperor, but tops are definitely shorter. Roots about 8 inches long and  $1\frac{1}{2}$  in diameter, flesh deep orange, mild, sweet flavor and good texture.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.25).

**GOLD SPIKE**—83 days. Developed from a select strain of long type Emperor. Leaves are more erect and about 4 inches shorter, the roots are smoother and more attractive, deep orange with insignificant core, average length 8 inches and about 1 inch in diameter. A superior shipping variety.  
Postpaid (Pkt. 10c) (Oz. 50c) ( $\frac{1}{4}$  lb. \$1.35) (lb. \$4.50).

**OXHEART OR GUERANDE**—72 days. Desirable for home use; prolific and a good keeper. Roots bright orange, thick, blunt ended, of heart shape. Flesh deep orange; small tops; easily harvested.  
Postpaid (Pkt. 10c) (Oz. 25c) ( $\frac{1}{4}$  lb. 60c) (lb. \$1.75).



## CELERY

**CULTURE**—One ounce of seed will produce 15,000 plants. Golden Self-Blanching Seed should be sown in hot-beds about March 1st, covering the seed very lightly. Keep the seed-bed moist, giving it plenty of air. Keep the tops of the plants sheared off, which will cause them to grow stockier with better roots. Keep the soil well stirred between the rows and around the plants. A good rule is to plow or work the ground every time it is watered. Great care should be used in watering, or the ground will sour and cause the celery to blight or rust. Celery requires water often, but not a great deal at a time.



UTAH CELERY

**GIANT PASCAL (Special Dwarf Strain)**—Pascal celery is a very important crop with local celery growers and we have developed an excellent strain of this delicious vegetable. The plants are of dwarf stocky growth and do not develop soft stalks, nor seeders, and blanches easily to a rich creamy white. May be used as wrapped celery for early fall use or for trenching for winter use, a dozen stalks trimmed ready for market often weighing 10 to 15 pounds.

Postpaid (Pkt. 25c) (Oz. \$3.00) (¼ lb. \$9.00) (lb. \$30.00).

**GIANT PASCAL**—135 days. The old standard green variety: tall, large dark green foliage, large full heart which bleaches to creamy white, has rich nutty flavor. A fine keeper for mid-winter use.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.50) (1 lb. \$8.00).

**SUMMER QUEEN**—120 days. One of the most popular green varieties. Recommended for home and shipping. Plants of medium height, but with good length to the first joint. Blanches more readily than some of the other varieties of green celery. Stalks nearly round, smooth, brittle and of outstanding quality.

Postpaid (Pkt. 25c) (Oz. \$2.00) (¼ lb. \$7.00) (lb. \$25.00).

**CRYSTAL WHITE JUMBO (Utah Strain)**—125 days. A very popular celery today and justly so for its superb flavor and quality. The plant is medium large, with exceptionally full heart, that blanches very nicely into a valuable sort for the market.

Postpaid (Pkt. 15c) (Oz. \$1.25) (¼ lb. \$4.25) (lb. \$14.00).

**UTAH NO. 15**—A strain of Utah of mid-season maturity. Plants are large—height 26 to 28 inches. Leaves are dark green deeply cut, moderately broad. Plants are erect, compact, full hearted. Edible stems usually 8 to 10 inches long, are numerous, of medium width, thick rounded and quite smooth, are crisp and of fine quality.

Postpaid (Pkt. 25c) (Oz. \$1.75) (¼ lb. \$6.00) (lb. \$20.00).

When about ready to harvest, it may be blanched with either boards or dirt, boards being preferable in warm weather, and dirt in cool weather.

Giant Pascal seed should be sown from the 1st to the 15th of April in the hot-beds, same as the Golden Self-Blanching. Plants should be set in the field from June 10th to July 1st, in single rows, about 8 inches apart in the row, cultivating same as the Golden Self-Blanching. About October 10th or before freezing, it should be trenched and protected from freezing, when it will bleach and be ready for winter use.

**UTAH 10-B**—125 days. An outstanding strain of green celery that is slightly later than the regular Utah. Plants tall, 26 to 28 inches, leaves moderately large, medium deep green. Plants erect and compact with edible stems 8 to 10 inches long of uniform length, rounded, thick and of waxy appearance.

Postpaid (Pkt. 25c) (Oz. \$1.75) (¼ lb. \$6.00) (lb. \$20.00).

**CORNELL NO. 19**—100 days. An early, easy blanching strain of outstanding quality, described as a cross between the Self-Blanching and the Utah, 10½-11 inches to joint with an overall length of 24 inches. Hearts long and comparatively full. Stems thick, rounded and of smooth texture. Combines the good qualities of the pascal type and is highly resistant to fusarium yellows.

Postpaid (Pkt. 25c) (Oz. \$2.00) (¼ lb. \$7.00) (lb. \$25.00).

**GOLDEN SELF BLANCHING (Tall Type)**—110 days. An early and particularly valuable type for home and market garden. Plants are 26 to 28 inches tall, compact with firm thick stalks which blanch readily and are of splendid quality, edible stalks 8 to 8½ inches to first joint.

Postpaid (Pkt. 10c) (Oz. \$1.00) (¼ lb. \$3.50) (lb. \$12.00).

**GOLDEN PLUME NON-BOLTING**—A dwarf, compact golden strain. Tops are distinct dark green. Overall height 20 to 24 inches. Length of edible stem 6 to 8 inches. Plants are compact, upright in habit, hearts full, stems are broad and thick. Quality is good and blanches easily to a clear creamy white.

Postpaid (Pkt. 25c) (Oz. \$2.00) (¼ lb. \$7.00) (lb. \$25.00).

**UTAH OR GOLDEN CRISP**—An excellent variety for fall use, maturing about a week or ten days earlier than Giant Pascal. Plants sturdy, compact and exceptionally solid. Stems are broad, but thick and well rounded, of fine quality and rich, nutty flavor.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.50) (lb. \$9.00).

**SUPREME GOLDEN**—90 days. Uniform strong growing early strain. Height overall varies from 22 to 27 inches, the edible stem is long, from 7 to 10 inches to the first joint, broad, fairly thick and carries the width well up to the joint. Tops dark green and very erect. Blanches readily to an attractive clear creamy white at maturity.

Postpaid (Pkt. 25c) (Oz. \$2.00) (¼ lb. \$7.00) (lb. \$25.00).

**NON-BOLTING GREEN No. 13**—One of a new line of non-bolting green celeries. It is being used for a late storage celery in place of the Utah types. The ribs are thicker, store well, and the foliage shows no yellowish discoloration.

Postpaid (Pkt. 25c) (Oz. \$3.00) (¼ lb. \$9.00) (lb. \$30.00).

## CHICORY

One ounce of seed to 200 foot row.

**LARGE ROOTED OR COFFEE**—The largest rooted variety. Postpaid (Pkt. 10c) (Oz. 50c).

**WITLOFF OR FRENCH ENDIVE**—A superior strain with wider leaves, larger tips and stalks, roots thicker at the shoulder, shorter and smoother. Postpaid (Pkt. 10c) (Oz. 50c).



## SWEET CORN

**CULTURE**—Days indicated means average time required to produce roasting ears. One pound will plant 100 hills; 10 pounds an acre. Sweet corn should not be planted until the ground is warm and danger from frost is past. Corn thrives

best in warm, rich soil, and succeeds only when given frequent but shallow cultivation. For a continuous supply, begin planting as early as the season will permit, and plant every ten days or two weeks until July.

### HYBRID SWEET CORN

**BELGOLD**—82 days. A new medium early type, ears  $7\frac{1}{2}$  to 8 inches long, 12-14 rowed, good flavor with bright attractive yellow kernels. Very tender and will hold its prime edible stage longer than most hybrids. Has longer husk coverage giving it a distinct advantage in holding down worm damage. Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 80c) (5 lbs. \$3.75) (10 lbs. \$7.00).

**SENECA "60"**—60 days. The earliest of all hybrids. Is outstanding in quality for such an early corn. The stalk is 4 to  $4\frac{1}{2}$  feet tall, ears 6 inches long, 8 to 10 rowed, kernels yellow, produces 2 to 3 ears per stalk. Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 80c) (5 lbs. \$3.75) (10 lbs. \$7.00).

**SENECA DAWN**—65 days. A large eared early maturing Sweet Corn. Excellent for market gardeners for early market. Ears 12 to 14 rowed, medium yellow with heavy husks giving good coverage to end of ear. Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 80c) (5 lbs. \$3.75) (10 lbs. \$7.00).

**SENECA GOLDEN HYBRID**—75 days. A new hybrid that might be described as an early Golden Cross Bantam. Stalks  $5\frac{1}{2}$  feet tall, bearing two marketable ears on practically every stalk. A very good hybrid for high altitude and extra early growing. Kernels large, golden yellow and of best quality. Seed small; 6 to 8 lbs. will plant an acre. Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 80c) (5 lbs. \$3.75) (10 lbs. \$7.00).

**EARLY GOLDEN HYBRID 1.13**—67 to 72 days. One of the better early hybrids developed from Maine and Connecticut inbreds. Ears 7 inch, deep yellow kernels, sweet and tender. Stalks  $5\frac{1}{2}$  to 6 ft. A popular large early sort for market gardeners and commercial growers. Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c) (5 lbs. \$3.50) (10 lbs. \$6.50).

Not Postpaid (10 lbs. \$6.00) (25 lbs. \$12.50) (100 lbs. \$45.00).

**GOLD RUSH**—69 days. A first early yellow hybrid for early market with the strong hybrid vigor and productiveness to replace the open pollinated first early yellow sorts. Ears  $8\frac{1}{2}$  inches long, 12 to 14 rowed, slightly tapered, well filled to tip, most attractive yellow, tight husk. Tender, sweet, of fine quality and flavor.

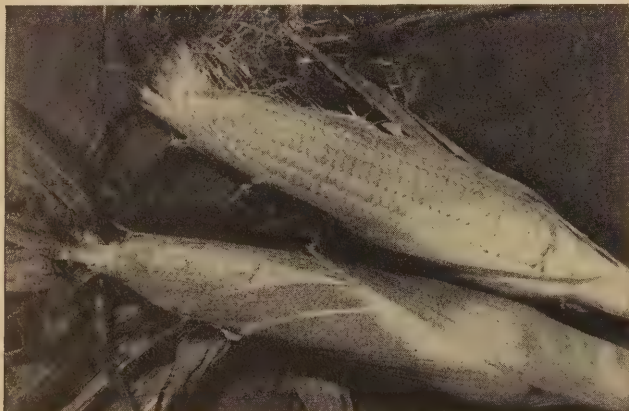
Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c) (5 lbs. \$3.50) (10 lbs. \$6.50).

Not Postpaid (10 lbs. \$6.00) (25 lbs. \$12.50) (100 lbs. \$45.00).

**EVERGREEN HYBRID No. 14-13**—86 days. This is a hybrid to take the place of regular Stowell's Evergreen. It is outstanding for its productiveness, drought resistance and uniform strong vigorous growth. Excellent for market, canning home garden and quick freeze pack. Ears  $8\frac{1}{2}$  inches long, 14 to 18 rowed, large white kernel of good depth and fine quality, well filled to the tip, stalk 8 feet.

Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c) (5 lbs. \$3.50) (10 lbs. \$6.50).

Not Postpaid (10 lbs. \$6.00) (25 lbs. \$12.50) (100 lbs. \$45.00).



CORN, BELGOLD

**GOLDEN ROCKET**—70 days. An early Market Garden Sweet Corn producing ears of excellent flavor and quality, ears 7 inches long, 10 or 12 rowed with golden yellow kernels. A good clean plant virtually suckerless with stalks  $5\frac{1}{2}$  ft. tall.

Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c) (5 lbs. \$3.50) (10 lbs. \$6.50).

Not Postpaid (10 lbs. \$6.00) (25 lbs. \$12.50).

**MARCCROSS NORTHERN**—70 days. A popular large eared early sort for market gardeners. Ears  $6\frac{1}{2}$  to 7 inches long, 14-16 rows of medium width, yellow deep kernels. Sweet and tender. Stalk,  $5\frac{1}{2}$  feet.

Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 70c) (5 lbs. \$3.25) (10 lbs. \$6.00).

Not postpaid (10 lbs. \$5.50) (25 lbs. \$12.50) (100 lbs. \$38.00).

**MARCCROSS C6.13**—72 days. An early market and home garden variety. Stalks short but sturdy, highly resistant to bacterial wilt. Ears long, plump, abruptly tapered at tips; 10-14 rowed ears 7 inches long, with light cream-yellow, medium broad kernels of good quality.

Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 70c) (5 lbs. \$3.25) (10 lbs. \$6.00).

Not postpaid (10 lbs. \$5.50) (25 lbs. \$10.00) (100 lbs. \$38.00).

**CARMELCROSS**—79 days. A second early variety for market, canning or home garden use. Vigorous and heavy yielding in comparison to its earliness. Medium sized, gently tapering ears 7 inches long, with 12-14 rows of yellow kernels.

Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 70c) (5 lbs. \$3.25) (10 lbs. \$6.00).

Not postpaid (10 lbs. \$5.50) (25 lbs. \$10.00) (100 lbs. \$38.00).

**MARCCROSS P-39**—75 days. A second early market hybrid that fits in well between Gold Rush and Golden Cross Hybrids to give a continuous supply of roasting ears. Stalks 6 feet tall, ears 7 to  $7\frac{1}{2}$  inches long, 12 to 14 rows, medium yellow and slightly tapered at tips, fills well.

Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 70c) (5 lbs. \$3.25) (10 lbs. \$6.00).

Not postpaid (10 lbs. \$5.50) (25 lbs. \$10.00) (100 lbs. \$38.00).

**TOP CROSS MAINE BANTAM**—81 days. Stalk sturdy with deep green foliage; ear 6 inches, 12-16 rowed, kernels medium-narrow and golden yellow. Tender and of excellent flavor. Highly resistant to Stewart's disease.

Postpaid (Pkt. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 70c) (5 lbs. \$3.25) (10 lbs. \$6.00).

Not postpaid (10 lbs. \$5.50) (25 lbs. \$10.00) (100 lbs. \$38.00).



CORN, CARMELCROSS



## HYBRID SWEET CORN

**SPANCROSS No. 3**—67 days. One of the best early hybrids, highly resistant to bacterial wilt. Well tipped small ears 6½ inches long, 10 to 12 rowed; kernels golden yellow, sweet and tender.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$6.00).

Not postpaid (10 lbs. \$5.50) (25 lbs. \$10.00) (100 lbs. \$38.00).

**IOANA**—87 days. Ears average 8 to 9 inches in length with 12 to 14 rows of medium width, deep yellow kernels of excellent quality and flavor. Height of stalk 6 to 6½ feet. A new high yielding hybrid destined to be popular.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.75) (10 lbs. \$5.00).

Not Postpaid (10 lbs. \$4.50) (25 lbs. \$10.00) (100 lbs. \$38.00).

**IOCHIEF**—88 days. A new hybrid with exceptionally deep yellow kernels, excellent flavor and tender ears 9 to 10 inches long 16-18 rowed, stalk 6½ ft., tall, heavy, wind resistant and very few suckers. Highly desirable for home, market gardener or canner.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.75) (10 lbs. \$6.50).

**GOLDEN CROSS BANTAM**—88 days. The most widely adapted hybrid. Noted for great uniformity, heavy yield, resistance to bacterial wilt and for its flavor and quality.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 80c) (5 lbs. \$3.75) (10 lbs. \$5.00).

Not Postpaid (10 lbs. \$4.50) (25 lbs. \$10.00) (100 lbs. \$38.00).



IOCHIEF HYBRID SWEET CORN

## OPEN POLINATED VARIETIES

**SIXTY DAY GOLDEN**—60 days. Earliest of the golden varieties with medium large ears with twelve rows of rather wide yellow kernels of very good quality. A good early market or garden corn. Height of stalks 5 feet.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.50).

Not Postpaid (10 lbs. \$3.00) (25 lbs. \$6.50) (100 lbs. \$24.00).

**COUNTRY GENTLEMAN**—93 days. A late prolific variety of excellent quality, used widely by canners; also desirable for home and market gardens. Stalks often with two ears. Kernels very deep, slender, sweet, with tender hull and set irregularly without row formation.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.50).

Not Postpaid (10 lbs. \$3.00) (25 lbs. \$5.50) (100 lbs. \$20.00).

**STOWELL'S EVERGREEN**—95 days. The best known late variety. Highly desirable for home and market garden. Stalks sturdy and erect; ears 2½ inches thick, uniform, tender. Holds well in prime condition at eating stage.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.50).

Not Postpaid (10 lbs. \$3.00) (25 lbs. \$5.50) (100 lbs. \$20.00).

**EARLY EVERGREEN**—90 days. One of the best known and widely used canning varieties, also desirable for market gardeners.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.50).

Not Postpaid (10 lbs. \$3.00) (25 lbs. \$5.50) (100 lbs. \$20.00).

**GOLDEN BANTAM**—83 days. Early variety of excellent quality for both market and home use. Stalks 4½ to 5 feet tall, very productive, commonly bearing two ears. Ears 6 to 7 inches long, 8 rowed, kernels rich golden yellow, very tender, sweet and of splendid flavor.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.50).

Not Postpaid (10 lbs. \$3.00) (25 lbs. \$5.50) (100 lbs. \$20.00).

**IMPROVED GOLDEN BANTAM**—84 days. A selection from the original strain of Golden Bantam resulting in a larger ear with more rows and greater productivity. Ears 10 to 14 rowed, uniform and attractive. Kernels golden yellow, medium wide, deep sweet and of fine flavor.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.50).

Not Postpaid (10 lbs. \$3.00) (25 lbs. \$5.50) (100 lbs. \$20.00).

**BANTAM OR GOLDEN EVERGREEN**—89 days. Developed through crossing Golden Bantam and Stowell's Evergreen. Ears 14 to 18 rowed. Kernels rich golden yellow, deep with tender hull, sweet, and of fine quality. An outstanding medium late variety.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.50).

Not Postpaid (10 lbs. \$3.00) (25 lbs. \$5.50) (100 lbs. \$20.00).

## POP CORN

**CULTURE**—Pop corn is raised the same as field corn. It should be allowed to get thoroughly ripe before cutting. Very easily raised and often proves a profitable crop. 5 to 6 pounds will plant an acre.

**PURDUE No. 31** (South American type)—95 days. A prolific hybrid developed by the Purdue Experiment Station. Plant vigorous and stands well to maturity. Ears, usually at least two per stalk, with 14-16 rows of medium yellow kernels, high in quality and popping expansion.

Postpaid (¼ lb. 30c) (lb. 85c) (5 lbs. \$4.00).

Not Postpaid (10 lbs. \$7.00) (25 lbs. \$16.25).

**IOPOP No. 5** (Japanese Hulless type)—95 days. Particularly desirable for its high ratio of popping volume and tender texture and pure white color after popping. Ears somewhat longer and more slender than the old type of Jap Hulless.

Postpaid (¼ lb. 30c) (lb. 85c) (5 lbs. \$4.00).

Not Postpaid (10 lbs. \$7.00) (25 lbs. \$16.25).

## HYBRID POP CORN

**MINHYBRID 250 WHITE HULLESS**—It far surpasses the old Jap Hulless—records show a 16 per cent greater yield and a 29 per cent greater popping expansion. Minhybrid is the finest Pop Corn obtainable from the standpoint of quality, flavor and tenderness.

Postpaid (¼ lb. 30c) (lb. 85c) (5 lbs. \$4.00).

Not Postpaid (10 lbs. \$7.00) (25 lbs. \$16.25).

**NEW HI-POP YELLOW HYBRID POP CORN** (South American Type)—110 to 120 days. Pops to large flaky, tender kernels of a rich butter color and is unusually high in pepping volume. HI-POP is a profitable variety to grow for the market as it produces greater yields than open pollinated corn.

Postpaid (¼ lb. 30c) (lb. 85c) (5 lbs. \$4.00).

Not Postpaid (10 lbs. \$7.00) (25 lbs. \$16.25).





## CUCUMBERS

**CULTURE**—One ounce of seed will plant 50 hills, 2 pounds an acre. Cucumbers succeed best in warm, moist, rich loamy soil. Plant as soon as danger from frost has passed. In hills about 4 feet apart each way.

### SLICING VARIETIES

**EVERBEARING**—55 days. Small, very early variety. By keeping the fruits picked, it will continue to bear throughout the growing season.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**ARLINGTON WHITE SPINE**—60 days. Popular among the older early sorts; good for home garden use.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**STAYS GREEN (Black Diamond)**—60 days. A handsome, early, medium sized, prolific variety used extensively for shipping. Fruits symmetrical, nearly square ended. Very dark green, holds color and firmness well when shipped long distances.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**EARLY FORTUNE**—63 days. Desirable for shipping and good for slicing. Fruits medium-deep green, slightly tapering. Flesh firm and crisp.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**MARKETER**—65 days. Medium size, very prolific, trim and of uniform size, tapering slightly to both ends, attractive dark green color.

Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. 90c) (lb. \$3.00).

**DAVIS PERFECT**—65 days. A desirable mid-season variety for shipping. Fruits dark green; flesh crisp and of good quality.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**COLORADO or A AND C**—67 days. A very attractive variety, good for market gardens and for shipping. Fruit very dark green, cylindrical, round with small seed pocket. Unusually free from striping at blossom end.

Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. 90c) (lb. \$3.00).

**CUBIT**—70 days. Bronze medal winner of 1944. A prolific, white spined variety distinguished by unusually uniform dark green exterior color and long blunt-ended cylindrical shape. The interior has smooth crisp texture with small seed area. Cubit is a main crop long slicing variety.

Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. 90c) (lb. \$3.00).

**STRAIGHT-8**—68 days. Desirable for home and market gardens and shipping. Fruit uniformly cylindrical; rounded at ends, medium green; quite free from light stripes. An attractive variety.

Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. 90c) (lb. \$3.00).

### HYBRID CUCUMBER

**SENSATION**—58 days. Fruits slender, blunt ends, 8 to 9 inches long, 2½ inches in diameter. Holds its dark green color well after picking. Flesh is crisp, white and unusually delicious. Small seed cavity.

Postpaid (Oz. \$3.00) (¼ lb. \$10.00) (lb. \$35.00).

**IMPROVED LONG GREEN**—70 days. Standard late variety for home garden; excellent for slicing; hardy and prolific. Fruits deep green, straight, slightly tapered; flesh very white and crisp.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**LONGFELLOW (Vaughan)**—70 days. Desirable for home garden, and for shipping; also sometimes used for greenhouse forcing. Fruits dark green, uniform, straight and attractive.

Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. 90c) (lb. \$3.00).

**NIAGARA**—70 days. This is the first slicing variety that is resistant to cucumber Mosaic. In comparative trials Niagara shows the same plant vigor and large leaf construction that you find in hybrids. The fruit is white spined, shaped like Cubit, being blunt on the blossom end. The cucumber varies from 7½ to 10 inches in length, being straight cylindrical, and of excellent dark green color, with small seed cavity.

Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. 90c) (lb. \$3.00).

### PICKLING VARIETIES

**EARLY MINCU**—53 days. Bears from 8 to 10 fruits within a foot of the hill. Cucumbers average 4½ inches long and 2 inches in diameter, suitable both for slicing and pickling. The skin is medium green, the flesh white and crisp. Mincu is very early and a heavy cropper.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**EARLY CLUSTER**—55 days. Very fine pickling sort. Very popular. Medium dark green, prolific, full at both ends.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**NATIONAL PICKLING**—54 days. Especially bred for pickling in the small sizes. Fruit straight, and blunt-ended, but not chunky. Deep green color. Makes firm, crisp pickles.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**SNOW'S PERFECTION PICKLING**—56 days. Extremely early and prolific. Fruit 5 inches long; dark green at pickling size, black spined, symmetrical, blunt ended.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$2.00).

**WEST INDIA GHERKIN**—60 days. An extremely small fruited variety grown exclusively for pickles. It has no value for slicing. Is very prickly, but tender and crisp if picked when young. Seed germinates slowly.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.50).

## EGGPLANT

**CULTURE**—One ounce will produce 1,000, to 2,000 plants. Seed is of slow germination and requires a moderate amount of heat. Should be started in hotbeds early in March and transplanted to four or six inches apart. Eggplants are very tender and will not stand frost.

**BLACK BEAUTY**—80 days. A prolific early variety. Medium sized plants, fruit deep purplish black, smooth, large blunt egg-shaped producing 4 to 6 per plant.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

**NEW YORK IMPROVED**—83 days. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Spineless and a heavy producer.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

**FLORIDA HIGH BUSH**—85 days. The plants are large and high, usually bearing the fruit off the ground. Resistant to drought and blight. Fruit medium size, pear shaped and of purple color.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).





GREEN CURLED ENDIVE

## KOHL RABI

One ounce will seed 200 feet of row.

**EARLY WHITE VIENNA**—The leading variety, a very fancy strain of the short-leaved type. Best for forcing or in the open field.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

**EARLY PURPLE VIENNA**—A few days later in maturing, with leaves and bulbs of purple color. Otherwise similar to White Vienna.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

**CULTURE**—One ounce will sow 150 feet or drill, two pounds an acre. Lettuce is a hardy plant and will stand a low degree of temperature; however, a moderate temperature is desirable during the growing period. Lettuce stands cold much better than heat, making it impossible to produce lettuce of good quality during the hot summer months. Hot weather causes the plants to go to seed instead of heading.

Lettuce requires considerable soil moisture; however, an

## HEAD LETTUCE

**PENN LAKE**—83 days. Cross between Imperial 847 and Great Lakes. Heads medium size, uniform and dark green in color. Comparatively free from objectional ribbiness; interior crisp and firm.

Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**CORNELL No. 456**—A new variety developed by the U.S.D.A. and Cornell Experiment Station. Matures hard, large heads in mid-summer and will not burn in the hottest weather. Leaves grass-green color, brittle foliage, prominent mid-ribs. Excellent market garden and shipping variety. Seed white.

Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**IMPERIAL No. 44**—Is an Iceberg type. A large head, solid and crisp. Forms a larger percentage of marketable heads than other varieties. Seems to be quite resistant to tip-burn. You will be well pleased with Imperial No. 44, either on muck or upland soils. Stands the hot weather when others fail.

Postpaid (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (lb. \$3.40).

**IMPERIAL No. 847**—Resistant to brown blight. Heads hard and fine. Best for early spring and late fall crop. Black seed.

Postpaid (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (lb. \$3.40).

**ROHCO**—A selection from Imperial 615. It will produce more marketable heads of highest quality and earlier than Imp. 615. Does well in cool weather, withstands frost and cold better than other Imperial varieties.

Postpaid (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (lb. \$3.40).

## ENDIVE

One ounce of seed sows 150 feet of drill.

**BROAD-LEAVED BATAVIAN (Escarolle)**—A decided improvement on the old broad-leaved Batavian. Leaves dark green. The plants are of a larger size and make a fuller heart, easily blanched without needing to be tied. This is a money-making crop.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.00).

**GREEN CURLED—All Heart Strain**—Grows larger than Green Curled and has less serrated leaves. It is later in maturing, but when well grown on good soil it forms a large full heart of fine quality. When blanched, the heads are delicate yellow in the heart and very attractive. Used largely by market growers.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.00).

## LEEK

Cultivate the same as onions.

**LARGE AMERICAN FLAG**—The most popular variety; grows to a good size, straight and uniform, and is of best quality.

Postpaid (Pkt. 10c) (Oz. 60c) (¼ lb. \$2.00) (lb. \$6.00).

**GIANT MUSSELBURG**—The rich flavor of this extra large leek has made it popular. It is a very hardy sort with dark green fan-shaped leaves. The edible stems are 6 to 8 inches in length and about 3 inches in diameter.

(Pkt. 10c) (Oz. 60c) (¼ lb. \$2.00) (lb. \$6.00).

## LETTUCE

excess of moisture may cause stem rot. A light, loamy soil, enriched with well rotted manure, is best adapted for the successful growing of lettuce. If planted on poor soil the heads will be small and leaves tough. As soon as the ground can be successfully worked, sow in drills 15 to 20 inches apart, one-half to one inch deep. Thin the plants 8 to 15 inches apart in the row. Large headed varieties, like New York, thin to 15 inches in the row.



NEW YORK TYPE LETTUCE

**NEW YORK No. 12**—A widely used strain of New York, well adapted to mid-season maturity, as it stands heat well. Plant and head lighter green than New York, with fewer outer leaves, several days earlier; large, compact and attractive.

Postpaid (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (lb. \$3.40).

**NEW YORK No. 55**—Introduced by Pieters-Wheeler. Probably the earliest maturing New York type. Good base, hard heading, crisp, of the highest quality with considerable resistance to tip-burn. Heads well in summer and early fall.

Postpaid (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (lb. \$3.40).

**NEW YORK No. 515**—A Pieters-Wheeler introduction, bred as a summer variety to resist tip-burn. A cross between Iceberg and New York, resembling No. 12; has better fold, is more sure heading and more resistant to tip-burn.

Postpaid (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (lb. \$3.40).



## LETTUCE—Continued

### HEAD LETTUCE

**GREAT LAKES**—This is of the Imperial type which is so largely used by truck gardeners. What chiefly distinguishes Great Lakes from other varieties of the Imperial type is its increased resistance to tip-burn injury and greater ability to produce solid heads under adverse conditions.

**EARLY GREAT LAKES**—75 to 80 days. Earlier and more uniform than original Great Lakes. Slightly smaller but equally resistant to heat and tip burn. Underside leaves are darker green. Excellent for spring, summer and fall cutting. Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$4.50).

**SUMMER GREAT LAKES**—90 to 100 days. This new strain has large, solid heads with deep green foliage—resists injury from heat and tip burn, stands up well under cold rainy conditions.

Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$4.50).

**GREAT LAKES (Original Strain)**—100 to 110 days. Produces large solid heads even under adverse conditions, resistant to tip burn. Tender, sweet quality, very sure heading.

Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$4.50).

**Strain A-36**—80 to 90 days. A medium early strain of Great Lakes. Plants are very large, vigorous, dark green. Heads are large, firm, well folded with crisp brittle texture. Resistant to tip-burn and warm weather. Ships well.

Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$4.50).

**Premier**—This traces back to a single individual plant selected for earliness, smoothness, lack of ribbiness and uniformity of heading. It is 7 to 10 days earlier than regular Great Lakes.

Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$4.50).

**PROGRESS**—80 days. A new variety developed by the U. S. Department of Agriculture. A selection out of Imperial 44. Head is medium size, compact, early, leaves medium green, thick, heavily savoyed with edges more cut and waved than Imperial 44. Tip burn resistant.

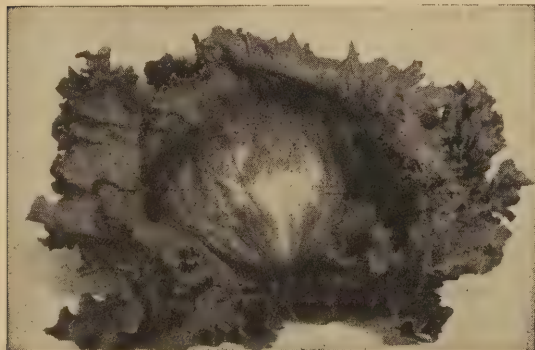
Postpaid (Pkt. 25c) (Oz. 50c) (¼ lb. \$1.25) (lb. \$4.00).

**COS or ROMAINE (Dark Green)**—Large size, dark green, compact head, well blanched. For home and market, and well adapted for greenhouse use.

Postpaid (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (lb. \$3.40).

**BIBB**—57 days. Produces a small head which is usually served individually as a salad. The leaves are thick, dark green, slightly tinged and spotted with brown, and rather loosely folded.

Postpaid (Pkt. 25c) (Oz. \$1.00).



LETTUCE, GREAT LAKES



SALAD BOWL LEAF LETTUCE

### LEAF LETTUCE

**EARLY CURLED SIMPSON or SILECIA**—A fine home garden sort, light green frilled leaves.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 75c) (lb. \$2.10).

**BLACK SEEDED SIMPSON**—An early loose leaved type, with yellowish-green frilled leaves.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 70c) (lb. \$2.10).

**GRAND RAPIDS**—One of the most popular sorts for forcing or out-of-doors use. Plants compact with light green frilled leaves. We offer three strains.

**Washington Strain**—Forcing variety for greenhouse use.

**Tip Burn Resistant Strain**—Used for growing under glass where tip burn is visible.

**Mildew Resistant Strain**—Recommended for general planting as it stands longer without bolting than other strains.

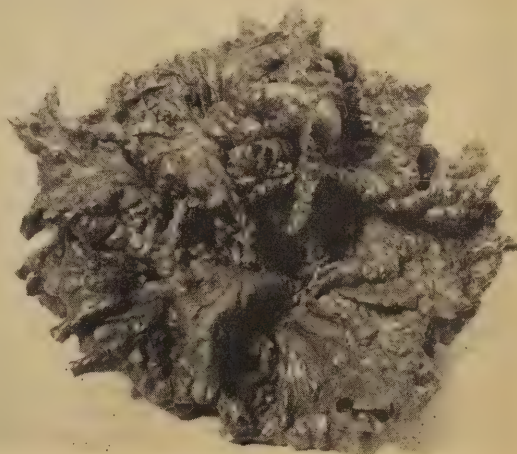
Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.35).

**PRIZEHEAD**—An early, non-heading sort, leaves dark green edged with brown and highly frilled.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.35).

**SALAD BOWL**—A loose leaf variety, fast grower and slow to bolt. Leaves are short and closely set, waved and notched, hold their quality, tenderness and fine texture over a long period. A head fills a salad bowl with perfect rosette of rich green and very decorative leaves.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50).



LETTUCE, EARLY CURLED SIMPSON



## MUSKMELON OR CANTALOUPE

**CULTURE**—One ounce of seed is sufficient for 50 hills; 2 pounds per acre. Plant in May and June. Melons do best in sandy soil or sod land; the ground should be made rich. The hills should be 4 to 6 feet apart with 10 to 12 seeds in each hill. Put the seeds an inch deep and when danger of frost is over, thin to four good plants to a hill. Cultivation should be kept up as long as possible.



MUSKMELON, HALE'S BEST

**SCHOON'S HARDSHELL**—90 days. Noted for its hard rind which makes it better adapted for shipping and market. Exterior color grayish yellow netting rather open. Melons average 7 inches in length, almost round, flesh salmon-pink. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**U.S.D.A. No. 5—Mildew Resistant**—85 days. Totally resistant to all kinds of mildew. Adapted for long distance shipping, for crating and for home garden. When cut the flesh is extraordinarily thick, a brilliant orange and unexcelled for sweetness. Same size and shape as Hale's Best. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**EARLY BENDER'S**—87 days. A large size melon weighing 7 to 8 lbs. Round shaped, deeply ribbed with coarse netting. Flesh very thick and sweet. An excellent home garden and shipping variety, growing well in all sections. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**HEARTS OF GOLD**—88 days. Grown extensively by market gardeners, likewise a good shipping type. Fruits practically round, slightly ribbed, covered with fine grey netting. Flesh very thick, deep pink salmon; tender, juicy, sweet and aromatic. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**ROCKY FORD**—95 days. Also known as Netted Gem. Fruits oval, show no ribbing and are entirely covered with a uniform netting. Flesh green and of excellent flavor. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**GOLDEN BEAUTY CASABA**—115 days. One of the best of the autumn Casabas. Easily grown, very prolific. The fruits are easily handled, being firm and heavy; ripens early in September and fruits can be kept until into December. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**OSAGE OR MILLER'S CREAM**—92 days. Dark green skin sparsely netted and ribbed. Thick salmon flesh, fine grained and of rich spicy flavor. A home garden variety or for local markets. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

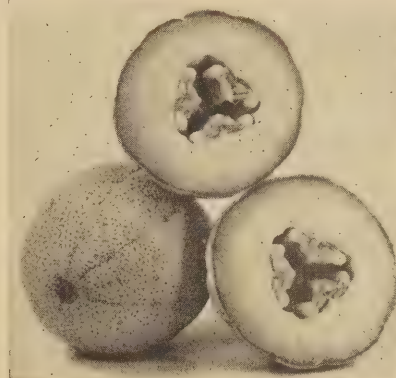
**BANANA**—94 days. Resembles a banana in shape. Fruits smooth and slender, flesh pronounced salmon, of banana-like flavor. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**PERSIAN**—115 days. While not properly a Casaba the Persian is of tropical origin. It is of dark color and completely covered with a fine netting. Fruits globular, weight about 7 lbs.; the flesh is extremely thick, of excellent flavor and orange in color. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**HONEY DEW (Green Fleshed)**—105 days. A medium sized round melon of a dull creamy white color, flesh green, quite distinct and very delicious flavor. The rind is tough without netting, and ships well to distant markets. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**HONEY DEW (Pink Fleshed)**—105 days. In outward appearance like the Honey Dew, but has salmon colored flesh and a delicious flavor. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**HONEY DEW GOLD RIND (Green Fleshed)**—100 days. A true green flesh Honey Dew except when about two-thirds grown the outside coloring turns to an attractive golden shade. It withstands heat in that fruits do not show sunburn, because of the color. It has good flavor, a thick flesh and carries well in shipping. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).



MELON, HEARTS OF GOLD

**HALE'S BEST, JUMBO**—82 days. A large fruited strain of this well-known variety for local markets. Fruits slightly oval, ribbing prominent, heavily netted. Flesh thick, salmon-orange, sweet and of excellent quality; seed pocket rather large. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**HALE'S BEST 9-36**—87 days. An early variety with medium vines, vigorous and healthy. Melons oval in shape, running to jumbo sizes. Well netted; flesh pink, sweet and thick. A heavy yielder. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**HALE'S BEST No. 45**—86 days. Mildew resistant. An early variety developed particularly for the shipping trade. The No. 45 is a true Hale's Best. Oval shape, medium size, with heavy net and a faint stripe. Flesh is deep salmon, thick, and firm with small seed cavity. Recommended to plant where mildew is prevalent. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**IMPERIAL 4-50**—This melon was introduced to be used in place of No. 45 in areas where the No. 45 did not produce a large sized melon. The No. 4-50 retains all the characteristics of the No. 45 except it is 1/5 larger in size. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**V-1 (Sulphur Resistant Cantaloupe)**—95 days. This melon was developed for use in mildew infested districts. The V-1 is not mildew resistant but it will withstand sulphuring, which will in turn prevent mildew. The V-1 is a medium to large cantaloupe, slightly oblong in shape, with faint stripes, and a close net, the flesh is salmon in color, thick and fairly firm. The application of sulphur to prevent mildew should begin after the true leaves appear; for complete control of mildew a light coating of sulphur should be on the leaves at all times. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.35).

**QUEEN OF COLORADO**—90 days. A development from Pride of Wisconsin. The melon is rather large with faint ribs and heavy, coarse net. The outside color is pearly grey turning golden when ripe. Flesh thick, deep orange in color. Excellent eating qualities. Good for home and local markets. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).

**PRIDE OF WISCONSIN**—90 days. A most attractive fruit both on outside and when cut. The rind is very hard, pearly grey color with but a faint rib, heavily covered with a distinctive netting. Fruit practically round, pink fleshed, usually thick with good flavor, small triangular seed cavity. Good for both home use and shipping. Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.25).



## WATERMELONS

**CULTURE**—The same as for Muskmelons, except that they should be planted from 8 to 10 feet apart. One ounce for 30 hills and 3 to 4 pounds to the acre.

**EARLY ARIZONA**—70 days. A new early prolific melon, of the Ice Box Type, producing fruit about the size of a bowling ball. Skin dark green, flesh brilliant red with large seeds, very sweet.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

**WICHITA RED or EARLY KANSAS**—82 days. One of the finest introductions in recent years; very popular in the Middle West. It is a melon of large size, alternate stripes of light and dark green, oblong in shape, with deep red flesh and brown seeds.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

**DIXIE QUEEN**—85 days. A very prolific, shipping type of mid-season maturity. Fruits oval-round, light green with dark green stripes; rind thin but tough. Flesh bright red, crisp, of splendid quality, quite free from fibre.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**BLACK SEEDED CHILIAN**—85 days. A splendid melon for home and market gardeners. Fruits medium large, averaging about 18 pounds. Nearly round shape with thick dark green, tough rind, making it a good shipper. The bright red flesh is crisp, fine grained and very sweet.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

**KLONDIKE**—80 days. A melon of good quality. Exceptionally sweet and fine flavor. Flesh is deep red and brittle, fruit oblong. A very good vielder, fairly early, and has given satisfaction for the market and home garden.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**KLONDIKE No. 3**—80 days. Small black seeded with dark green rind, seeds small and very few. Flesh is sparkling scarlet with the highest sugar content of any melons. Fruits average about 25 lbs.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**STRIPED KLONDIKE**—80 days. An early garden and shipping variety similar to regular Klondike but with irregular dark green stripes. Fruits oblong, of medium size, rind medium hard. Flesh deepest red known to watermelon; sweet and crisp.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**KLONDIKE No. R7 (Wilt Resistant)**—85 days. This is the first strain of the Klondike to be released showing a high resistance to wilt. This melon seems fully as desirable as the other Klondikes for both edible quality and shipping.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**IMP. KLECKLEY'S SWEETS or WONDERMELON**—88 days. A large oblong melon with a thin dark rind and showing faint tracings or indentations running the length of the melon. Flesh deep scarlet-red; solid heart; is a favorite shipper.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

**IMP. KLECKLEY'S No. 6 (Wilt Resistant)**—88 days. A certified wilt resistant strain of the popular Imp. Kleckley's Sweet, developed in Iowa and grown under supervision of the Iowa State Agricultural College. Quality is superior to the regular strain of Kleckley's.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**OKLAHOMA CHIEF**—88 days. A large, round melon with a black-green shiny glossy rind. The rind is very thin and tough so the melons can be hauled long distances without damage. The flesh is blood red, tender and very sweet, melons average about 40 lbs. They are hardy and drought resistant.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**BLACK DIAMOND (Improved)**—90 days. A large oblong melon, with dark green rind that is thin but tough, making it a desirable melon for shipping. Flesh bright red and of very sweet flavor, average weight about 50 lbs. Vigorous vine growth, does not sunburn as easily as many varieties.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**GEORGIA RATTLESNAKE**—92 days. A long, fairly large melon with light green color, irregularly mottled, with dark green stripes. The rind is quite thick, the flesh pink in color.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

**IRISH GRAY**—95 days. A large, long, main crop variety with a distinctive gray-green skin; shell very tough and hard, making a fine shipper; flesh very firm, crisp and sweet.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

**TOM WATSON**—95 days. Probably the best shipping melon and one of the best main crop sorts; grows to a very large size. Fruit large and long in shape, colored a medium green with a light tracing of a darker shade; flesh rich red and of good quality, seeds brown.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

**GOLDEN HONEY**—90 days. Fruits chunky, nearly round, medium sized, light green with mottled darker green stripes; rind brittle. Flesh amber-yellow, crisp and delicious, free from stringy sections.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**KING AND QUEEN (Winter Watermelon)**—100 days. A Russian variety of fair size, round in shape; rind light cream with faint, irregular light green striping; early, prolific and excellent in quality; seeds small, black.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.60).

**NEW HAMPSHIRE MIDGET**—Gold Medal Award Winner for 1951. Ideal for the small family garden and especially valuable in northern sections as it matures extremely early. Fruits 7 to 8 inches long and weighing about 6 pounds. The rind is very thin, with strawberry-red flesh that is crisp and juicy with extra high sugar content. Easy to grow and requires very little space.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 75c) (lb. \$2.50).

**EARLY VARIETIES MIXED COLLECTION**—65 days. Includes seeds of the following varieties: Favorite Honey, Sweet Sensation, Honey Cream, Yamato, Early Arizona, Early Canada, Northern Sweet, Dakota Sweet. These are all good melons and very interesting to plant.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

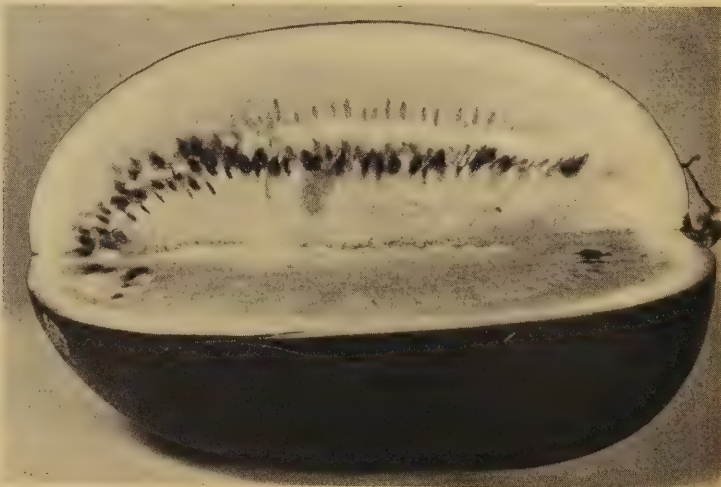
**CITRON (Red Seeded)**—95 days. Practically identical with Green Seeded Citron, except slightly smaller and with bright red seed.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.35).

BLACK  
DIAMOND



COOPERS STRIPED KLONDIKE





## MUSHROOM SPAWN

Cultural instructions for growing mushrooms given free to every purchaser of spawn.

**LAMBERT'S PURE CULTURE**—This spawn is specially prepared for us and produces results where the average spawn proves a failure. It is a strong strain of spawn thoroughly acclimated and selected with reference to earliness, size, flavor, appearance, prolificacy and quality of the mushrooms that it will produce. We highly recommend this spawn for those who intend to raise mushrooms for the market.

2 Bricks \$1.00 (5 bricks \$2.00) Postpaid.



MUSHROOMS

## MUSTARD

**CULTURE**—One ounce of seed will sow 100 feet of drill.

**FORDHOOK FANCY**—A handsome, vigorous growing, mild variety, standing a long time before going to seed; leaves bright green, intensely curled and fringed on the edges; fine for salads and garnishings; seed reddish-brown.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 40c) (lb. \$1.25).

**SOUTHERN GIANT CURLED (Long-Standing)**—This strain of Southern Giant Curled Mustard is much superior to the old type, as it will stand a considerable time longer before going to seed.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 40c) (lb. \$1.25).

**FLORIDA BROAD LEAF**—33 days. Vigorous, large leaf variety that grows fast but stands longer than most varieties before going to seed. The leaves are large, yellowish-green in color; nearly smooth without fringing. The mid-rib is a lighter shade of green.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 40c) (lb. \$1.25).

**WHITE ENGLISH**—Plant of rapid, upright growth, soon going to seed; leaves rather small and smooth, deeply cut or divided; color deep green, seed large, light yellow.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 40c) (lb. \$1.25).

**PRIZEWINNER (Longstanding)**—48 days. A Southern Giant Curled Longstanding type, standing 2 to 3 days longer without bolting. Light yellowish green, finely curled leaves without spines or hairs.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 40c) (lb. \$1.25).

## MUSTARD SPINACH

**TENDERGREEN**—28 days. A very pleasingly flavored green. Leaves oblong, thick, fairly smooth dark green with lighter green ribs, resistant to heat and drought; combines the flavor of both Mustard and Spinach.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 40c) (lb. \$1.25).



ONION, WHITE LISBON

## ONIONS

**CULTURE**—One ounce of seed is sufficient for 100 feet of drill, 4 pounds for one acre. Onion seed should be sown as early in the spring as possible to get the ground in shape, even though the weather is cold. Thorough preparation of the soil is one of the most essential points in successful onion growing. They delight in a rich, deep sandy loam, but excellent yields can be obtained from heavier soils properly fertilized. Sow the seed in rows 12 to 14 inches apart and about ½ inch deep. After they are well started, or about 3 to 4 inches high, thin out to stand about 2 inches apart, keeping them well hoed and free from weeds at all times throughout the season.

### YELLOW VARIETIES

**YELLOW SWEET SPANISH No. 6 (Special Strain)**—Developed by Prof. A. M. Binkley of the Colorado Experiment Station. Bulbs large, perfect globe shape, small neck curves down excellently, with heavy protecting deep yellowish-brown skin. Flesh white; fine grained; mild, pleasing flavor. Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**YELLOW SWEET SPANISH (Utah Strain)**—Well-known strain of Sweet Spanish. Very productive. Bulbs large yellow globe shaped, small neck which curves down well. Flesh white; fine grained; of mild flavor and a good keeper.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.40) (lb. \$4.50).

**Y-42 HYBRID YELLOW SWEET SPANISH**—A hybrid of Yellow Sweet Spanish type but about 10 days earlier than this well-known old variety. The bulbs are globular, with good tight necks, deep straw-colored skins, and mild, white flesh. Produces a heavy yield of large, uniform and attractive onions.

Postpaid (Oz. \$1.00) (¼ lb. \$3.50) (lb. \$12.50).

**YELLOW SWEET SPANISH (Jumbo Strain)**—112 days. The largest of the yellow Sweet Spanish Strains. Bulbs globular, deep straw colored, flesh clear white, firm and mild.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.60) (lb. \$5.50).

**YELLOW SWEET SPANISH (Michigan Strain)**—110 days. Developed for late fall markets and storage. Slightly smaller and darker than regular Sweet Spanish. Bulbs globe to flattened shape, deep brownish yellow with yellow-green tops.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.40) (lb. \$4.50).

**EARLY BABOSA OR GRANO**—An early relatively non-bolting variety, bulbs top-shaped, medium large with straw-colored skin, flesh white, mild and of excellent flavor. Highly desirable for early market.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.40) (lb. \$4.50).

**YELLOW GLOBE DANVERS**—One of the best and most extensively grown yellow onions. Bulbs are uniformly globe-shaped, small neck and enormous yield, and fine keeper.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

**EBENEZER or JAPANESE**—An excellent variety for producing sets of exceptional keeping quality. Bulbs deep flat, of medium size; dark yellow, very firm, with thick skin.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).



**EXCEL** (Bermuda No. 986)—83 days. Excel is a heavy-yielding variety of the Bermuda type developed by the U. S. Department of Agriculture. Earlier than other Bermuda varieties and more resistant to splitting and bolting. Uniformly thick, flat, with small tops and necks.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.40) (lb. \$4.50).

**MOUNTAIN DANVERS**—This variety is semi-round. It is one of the very earliest and seems to ripen practically all the crop at once. Color is a beautiful dark yellow, shading to brown. The skin is thick and heavy, which makes it a good keeping and shipping sort.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

## ONIONS—WHITE VARIETIES

**CRYSTAL WHITE WAX** (Bermuda)—Waxy-white, very flat, medium early Bermuda type, with mild flavor.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.50).

**WHITE SWEET SPANISH** (Special Utah Strain)—Similar to the famous White Sweet Spanish in flavor, uniformity and mildness, but produces a larger onion and greater yield per acre than regular strain.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$2.00) (lb. \$6.50).

**WHITE SWEET SPANISH**—The pure white flesh of this onion is fine-grained and exceptionally sweet. It is a splendid sort to use in salads or other ways without cooking. A very good keeper for so early and large variety, and is excellent for either the home or market garden.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

**WHITE BABOSA OR GRANO**—The White Grano is just becoming known, developed by the New Mexico Experiment Station for an early shipping sort to fulfill the demand for a more productive and better shipping sort to replace Crystal Wax, bulbs are top shaped, white skinned, mild and sweetly flavored firm flesh, bulbs will grow large like Yellow Grano.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

**MAMMOTH SILVER KING**—Very large white, flat onion, used principally for bunching while green. Seed sown in the spring will make boiling onions in July and August.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.50).

**SOUTHPORT WHITE GLOBE**—Beautiful silvery white, perfectly globe shaped, uniform in size. Flesh firm, fine-grained, solid and of pleasant flavor. Very small neck.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**WHITE PORTUGAL or SILVERSKIN**—A fine silvery-white flattened bulb that keeps well; useful for pickling, bunching, and the standard for white sets. Medium sized, with mild flavor, and earlier than Southport White Globe.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.50).

**WHITE LISBON**—Grown exclusively as an early bunching onion, stems white.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

**WHITE BARLETTA** (Pickling)—The best small white onion for pickling. Our seed is the real Barletta onion, producing very small round, white onions that mature early. Sow at the rate of 40 pounds per acre.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

**EVERGREEN BUNCHING**—60 days. A home and market variety for young or bunching onions. Produces a cluster of 4 to 6 useful shoots from a single seed. Used only for green onions.

Postpaid (Pkt. 10c) (Oz. 40c) (¼ lb. \$1.25) (lb. \$4.00).

## ONION SETS

**CULTURE**—One quart will plant 20 feet of row; 12 to 15 bushels an acre. Soil requirements the same as for onion seed. Place the onion sets 3 to 4 inches apart, according to size, 3 inches deep, in rows 1 foot apart. Furrow out the soil with a hoe, set the onions in this furrow right side up, and cover with a garden rake.

Qt. 3 Qts.

Yellow Bottom Sets.....\$0.60 \$1.50

White Bottom Sets......60 1.50

By Parcel Post, Postpaid

## OKRA OR GUMBO



OKRA

**CULTURE**—One ounce of seed will sow 40 feet of drill. Very wholesome. The pods, when young, make fine soup and are also used in mixed vegetable soups. Plant seed after the ground is warm and dry, in drills 3 feet apart, thinning the young plants to 1 foot apart. Make early and late sowing to secure a supply throughout the season. Easy to grow in any good garden soil. Popular in the South.

**DWARF GREEN LONG-POD**—An early, dwarf growing, sturdy variety producing an abundance of long, fluted, dark green 8-inch pointed pods. One of the best for canning.

**CLEMSON SPINELESS**—All America Silver Medal for 1939. A very uniform spineless strain of the Perkins long-podded type. Plant has less foliage than Perkins; pods rich green, 7 inches long, straight, ridged. A valuable introduction for commercial or garden crops.

Prices on above varieties:

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 35c) (lb. \$1.00).

## PARSLEY

One ounce of seed will plant 150 feet of drill; 3 pounds an acre.

**PERFECTION**—An excellent vigorous parsley with finely curled leaves. The color is deep emerald green and most attractive. Rapid grower with upright plants.

**PLAIN OR ITALIAN** (Dark Green)—The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring.

**EVERGREEN**—Dark green very finely curled leaves, of upright growth with stout stems. Good for home garden as well as for market gardeners and forcing.

**PARAMOUNT**—Very uniform plants with stout stems for bunching, a vigorous grower developing to 12 inches tall and a width of 26 inches; shows resistance to tipburning and is of exceptionally dark rich green color.

Above, Prices Postpaid: (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.50).

## PARSNIPS

One ounce of seed will plant 200 feet of drill; 3 pounds to the acre.

**IDEAL OR MODEL**—The roots are of medium length, very smooth, pure white without small roots or prongs. Very attractive for the home garden and more salable in the market. Of excellent quality.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.25).

**GUERNSEY HOLLOW CROWN**—Roots half long, smooth, thick-shouldered, of sugary flavor. One of the best.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.25).

**ALL AMERICAN**—A new and very good variety. The roots are large and broad-shouldered, of medium length, fine texture, white color with small core, free from side roots.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.25).



PARSLEY



## PEAS

**CULTURE**—One pound will plant 50 feet of drill; 90 to 120 pounds for an acre. Peas do best in a light, rich loamy soil that has been liberally manured the previous season. Plant the smooth varieties as early as the ground can be worked. The wrinkled peas are not so hardy as the smooth kinds, and should be planted later; they are, however, sweeter and better

flavored. For a succession, plant every two weeks—until June 1st, then discontinue until August 1st, when the extra early varieties may be planted for a fall crop. When grown for market, peas are rarely staked; in small gardens grow in double rows, 12 inches apart, and stake with brush. They should be kept clean and the earth worked toward them two or three times during growth.

**ALASKA**—60 days. The earliest of all smooth blue peas. Pods 3 inches in length. Vines 30 inches tall; very uniform in maturing the crop. Seeds small, round, smooth, bluish-green. Used for canning and early market.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 60c) (5 lbs. \$2.25) (10 lbs. \$3.75).  
Not Postpaid (10 lbs. \$3.00) (25 lbs. \$4.50) (100 lbs. \$16.00).

**THOMAS LAXTON**—62 days. Excellent for home and market gardens and for shipping, canning, and freezing. Plants deep green and medium heavy. Pods, single rich deep green, plump, broad, blunt; contains 7-8 large, tender peas of splendid quality.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75).

**LITTLE MARVEL**—62 days. Vines about 12 to 15 inches tall. Pods dark green, 3 inches long, round with square ends, and often contains seven rich, dark green peas.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.00) (100 lbs. \$20.00).

**LAXTON'S PROGRESS**—62 days. The largest podded and most attractive of the Laxtonian family. Popular for shipping to distant markets. Vines medium dark green. Pods single, dark green, somewhat curved, pointed, contains 7 to 9 large peas of good quality.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**EARLY GIANT**—65 days. A giant podded early variety, vines 22 inches tall, dark and heavy. Pods are 4½ to 5 inches long, dark green and pointed.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**FREEZONIAN**—63 days. Wilt resistant. Excellent freezing variety. Vines are vigorous, 2½ ft. Pods are dark green, 3½ inches long, well filled with 6 to 8 large, tender peas.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**WANDO**—70 days. A heat resistant variety. Vines 24 inches, dark green. Pods 3½ inches long containing 8 peas per pod. Small size, excellent for freezing.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**DWARF MARKET**—72 days. Vines are about 28 inches high. Pods are dark green, pointed and 4 to 4½ inches long. They contain 7 to 9 peas of finest quality. A popular home and market garden variety.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**DWARF ALDERMAN**—72 days. One of the outstanding varieties for shipping and market gardeners. Vine 20 inches, bearing an abundance of heavy dark green vines. Pod 4½ inches, dark green and pointed.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).



PEAS, TALL TELEPHONE

**No. 95 or ICER**—80 days. Vine 20 inches high, coarse and dark green. Length of pod 4½ to 5 inches, dark green and pointed. Excellent for shipping.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**No. 40**—75 days. Resistant to Fusarium wilt. Bred particularly for shippers and market gardeners. Vines 20 inches, dark green, stock and branching. Pods single and double, round, dark green, containing 8 to 10 large, succulent peas.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**TALL TELEPHONE** (Dark Podded)—74 days. Identical with Alderman; excellent for home and market garden, and for shipping. Vines dark green. Pods single, broad, plump, dark green, pointed, straight.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**DWARF TELEPHONE**—75 days. A late, large podded, highly productive sort, for home garden and truckers, and for shipping. Resistant to Fusarium wilt. Vines light green, stocky and branching. Pods single and double, medium light green, lightly curved, broad, pointed and attractive; contains 8 to 10 peas of excellent quality. Seeds large, wrinkled, green, with bluish cast.

Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50).  
Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).



## PEAS—Continued



ALDERMAN

**ALDERMAN**—74 days. A handsome large podded variety of the Telephone family. Excellent for home garden, for truckers, and for shipping to distant markets; resistant to Fusarium wilt. Vines dark green, coarse. Pods single, very broad, plump, straight, dark green, pointed; contain 8 to 10 peas of highest quality. Seed large, wrinkled, light green. This variety can well be considered the standard of high quality. Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50). Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**EVERBEARING**—76 days. A long bearing variety for the home and market garden; resistant to Fusarium wilt. Vines dark green, thick, coarse and branching. Pods double, light green, plump, blunt, straight; contain 4 to 5 large peas of sweet marrowy flavor. Seeds very large, light green, flat, wrinkled. Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50). Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50) (100 lbs. \$22.00).

**DWARF GRAY SUGAR (Edible Pod)**—68 days. A prolific edible podded variety for home garden; resistant to Fusarium wilt. Vines slender and wiry, with purple blossoms. Pods double, light green, heavily curved, semi-pointed, strongly indented between the peas. Seeds small, mottled, gray, round. Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75) (10 lbs. \$4.50). Not Postpaid (10 lbs. \$3.50) (25 lbs. \$6.50).

**GIANT LUSCIOUS SUGAR**—74 days. A tall growing edible podded variety for home and market garden. It is used in the same way as snap beans; resistant to Fusarium wilt. Pods 5 inches, broad blunt. Seed large, smooth, gray. Postpaid (Pkt. 10c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$2.75).

## PEANUTS

**CULTURE**—Peanuts can be successfully grown in the North on warm, sandy soil in a sheltered place with a southern exposure.

Plant the same as corn in rows 2½ feet apart. Drop the shelled nuts 8 to 10 inches apart, cover 1 inch deep. When the plants are nearly grown, throw earth up to them. This will cause the nuts to form.

**IMPROVED LARGE VIRGINIA (Jumbo)**—It has the largest pods and more kernels, with fewer imperfect pods. Postpaid (lb. \$1.00).

**TENNESSEE REDS**—The earliest variety grown. Pods are small, well filled and of fine quality. Postpaid (lb. \$1.00).

**WHITE SPANISH**—110 days. The dwarf bushes grow close and are easily cultivated and gathered. The kernels are small and very sweet. Postpaid (lb. \$1.00).

## PEPPERS

**CULTURE**—One ounce of seed should produce 1,000 to 1,500 plants. A warm, moist soil is best suited for peppers. For early green peppers sow seed in hotbeds in January, February or March, according to locality and climate. Transplant to the field as soon as weather and soil in your locality will permit, and when danger of frost has passed. Pepper Seeds are slow and hard to germinate, therefore those sown early will require a good hotbed with plenty of heat. Otherwise the seed will rot before they sprout. Pepper plants are very tender and easily killed by frost.

**OAKVIEW WONDER**—65 days. Developed from California Wonder, but is at least a week earlier. It has slightly smaller but blockier and more symmetrical fruits and lacks the deep depression and curling at the nose which characterize most peppers. Has thick walls and high quality of California Wonder, and its exceptional uniformity, earliness and high yield have already made it a favorite among market growers and truckers.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$7.50).

**KING OF THE NORTH**—65 days. A late introduction, and a winner, similar in type to Ruby King, but decidedly earlier. The plant is of medium size and prolific. The fruit is long, moderately slender, tapering to three or four points.

Postpaid (Pkt. 10c) (Oz. 60c) (¼ lb. \$2.00) (lb. \$6.00).

**CALIFORNIA WONDER**—75 days. An outstanding medium late variety for market garden and shipping. Plants vigorous, upright, prolific. Fruits 4-lobed, chunky; very attractive, smooth, uniform and deep green, changing to bright crimson; flesh thicker than any other variety; sweet and mild.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$7.50).

**CALIFORNIA WONDER BELL STRAIN (Special)**—75 days. This variety averaging 4 inch in length to 3½ inches in diameter with but a single taper, which makes them almost square. The walls are ¼ to ⅜ of an inch in thickness. It is an excellent shipping sort and because of the uniformity of shape they pack well. The skin is a deep rich green, smooth and glossy. The ideal pepper for home and market.

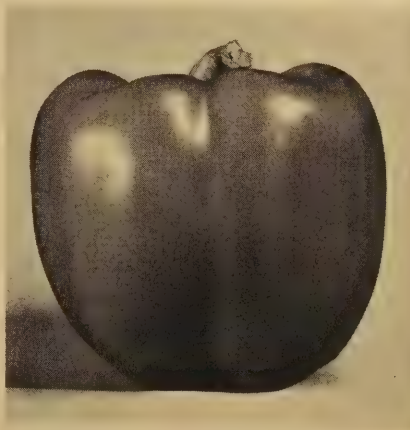
Postpaid (Pkt. 25c) (Oz. \$1.00) (¼ lb. \$3.50) (lb. \$12.00).

**PIMENTO**—73 days. Pre-eminently a canning variety; good also for home and market garden planting. Plants large, erect, prolific. Fruits heart-shaped, very smooth; color dark green, changing to bright crimson; flesh exceptionally thick, sweet and mild.

Postpaid (Pkt. 10c) (Oz. 60c) (¼ lb. \$1.50) (lb. \$5.50).

**HUNGARIAN YELLOW SWEET**—60 days. Plant is 12 to 15 inches in height, very hardy and prolific. The fruit is from 5½ to 6 inches long by 1½ inches in diameter, tapered, smooth flesh; color is waxy yellow, becoming a bright red at maturity.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.00).



PEPPER, CALIFORNIA WONDER



**LARGE BELL or BULL NOSE**—60 days. A popular, early sweet, prolific sort, with small, erect plants. Fruits blunt, deep green, changing to scarlet red; mild in flavor.

Postpaid (Pkt. 10c) (Oz. 60c) (¼ lb. \$2.00) (lb. \$6.00).

**PAPRIKA**—70 days. A new item in the U. S. A. Plant of medium size, very prolific. Fruits 4½ inches long and 1½ inches wide at stem end, tapered, deep red at maturity, flavor sweet with pungency in ribs and seeds.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.50) (lb. \$7.50).

**WORLD BEATER (Wilt Resistant Strain)**—75 days. A new development in peppers, a wilt resistant strain. Fruit 4-lobed, and very large. Flesh thick, mild and sweet. Pepper tapering and of a bright ruby red when ripe, very prolific.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.00).



PEPPER, WORLD BEATER

### HOT VARIETIES

**ANAHEIM CHILI**—80 days. A hot, late variety; used for home and market garden, and for canning and drying. Fruits tapering, deep green, changing to bright scarlet at maturity.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.00).

**COLLEGE No. 9**—80 days. A hot variety developed by the New Mexico Experiment Station. Very similar to Anaheim but pods are smaller and more slender. Fruits dark red when mature, excellent for drying.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.00).

**HUNGARIAN YELLOW WAX**—65 days. Long, waxy-yellow, changing to crimson. Pointed and tapering. Plants dwarf and prolific.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.50).

**IMPROVED THICK LONG RED**—70 days. Bright red pods about 4 inches long; thicker than the ordinary Red Cayenne. Flesh thick and very hot. Very prolific and quite early.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.50).

**JALAPENO**—75 days. Popular for pickling. Plants large and productive, fruits 3 inches long, 1 inch through shoulder, tapering to a blunt rounded point; dark green turning red. Extra hot.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.50).

**RED CHERRY**—82 days. Plants vigorous, upright, prolific. Fruits erect, conical, extremely pungent. Color yellowish green, changing to deep red.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.50).

**RED CHILI**—82 days. Small, pointed, yellowish-green changing to deep red.

Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.00) (lb. \$6.50).



CHILI PEPPER

## PUMPKIN

**CULTURE**—One ounce of seed will plant twenty hills; three pounds an acre. Pumpkins are very similar in culture to the squashes and other vine crops, except that they are not so particular as to soil and cultivation. In the latitude of Denver they may be planted during May in the garden or in the corn field 6 to 8 feet each way.



PUMPKIN, CONNECTICUT FIELD

**CHEYENNE BUSH**—A true bush strain, this sturdy prolific variety produces its small, flattened orange fruits close to the plant's base or crown. Closer spacing in the row is thereby permitted, thus overcoming the hesitancy of many home gardeners towards planting pumpkins due to space limitations.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**SMALL SUGAR OR PIE**—It is small, has deep orange skin, fine-grained flesh, is an excellent keeper and very prolific.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**GREEN STRIPED CUSHAW**—18 inches to 2 feet long and 12 inches in diameter; green striped with crooked neck. Flesh thick, yellow, coarse but sweet.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**JAPANESE PIE**—The flesh is thick, of a rich salmon color, fine-grained, dry and sweet. Seed cavity very small. Very early, productive and highly esteemed for pies or cooking.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**KING OF THE MAMMOTH OR POTIRON**—The largest of all pumpkins, often 2 feet or more in diameter, and sometimes weighing over 100 pounds. The skin is sallow-yellow; the flesh thick and of a bright yellow; often used for pies, but grown principally for stock-feeding.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.75).

**LARGE CHEESE OR KENTUCKY FIELD**—Large, round, somewhat flattened. A fine keeper. Flesh yellow, very thick and of excellent quality. Fine for family or market use; also grown for stock feeding.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**CONNECTICUT FIELD**—A large, round or slightly oval pumpkin. Skin reddish-orange color, with rich orange-yellow flesh. Grown extensively for stock feeding; also good for pies. Generally planted with corn.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**TENNESSEE SWEET POTATO**—Recommended for pies and custards. Pear-shaped, slightly ribbed, creamy white color slightly striped with green. Flesh creamy white, fine-grained, dry and with flavor resembling a sweet potato.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).



## RADISH

One ounce of seed will sow 100 feet of drill; 8 to 10 pounds will plant an acre.



RADISH, EARLY SCARLET GLOBE



RADISH, CHERRY BELLE



RADISH, FRENCH BREAKFAST

**EARLY SCARLET GLOBE**—24 days. A very popular variety; is outstandingly good, and well adapted to both field culture and greenhouse forcing. Roots globular, very slightly elongated, with medium top; bright scarlet, crisp, tender and of fine quality.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

**EARLY SCARLET GLOBE (Special Forcing)**—Our special strain of short-topped Scarlet Globe bred especially for greenhouse use.

Postpaid (Oz. 15) (¼ lb. 40c) (lb. \$1.10) (5 lbs. \$5.00).

**CAVALIER**—23 days. An attractive variety of short topped Scarlet Globe type; primarily for forcing in greenhouse or frames. Tops about one inch shorter than Standard Scarlet Globe; roots uniform, olive-shaped, deep scarlet.

Postpaid (Pkt. 10) (Oz. 15c) (¼ lb. 40c) (lb. \$1.10) (5 lbs. \$5.00).

**VICK'S SCARLET GLOBE**—22 days. Deep scarlet radish with uniform oblong globe shape, tops medium length, good for cool season growing and makes an ideal bunch for packing.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

**BUCCANEER**—23 days. Notable for uniformity and attractive market appearance. Top short; root globe-shaped with lustrous scarlet exterior. An exceptionally nice little radish.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 40c) (lb. \$1.25) (5 lbs. \$6.00).

**CHERRY BELLE**—(New.) One of the quickest to reach edible size, these bright red colored radishes are round as a marble and have pure white flesh of delightful flavor and crispness. Has exceptionally short top and is perfect for growing under glass as well as outdoors.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 40c) (lb. \$1.25) (5 lbs. \$6.00).

**CINCINNATI MARKET (Long Red)**—28 days. An improved strain of Long Scarlet, being slightly larger and with a very small top; roots 6 to 7 inches long; scarlet colored; flesh white, almost transparent; brittle and crisp.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

**COMET**—25 days. Bright cherry-red, with unusually firm and crisp flesh. Roots are globe to round in shape. Tops are 3½ to 4 inches. Grows to good size before getting pithy and remains firm longer than most early globe types, a desirable feature for both home and market garden use. Hot weather resistant.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

**CRIMSON GIANT**—28 days. Large globe-shaped red variety with a large top.

Postpaid (Pkt. 10) (Oz. 15c) (¼ lb. 35c) (lb. \$1.00) (5 lbs. \$4.50).

**FRENCH BREAKFAST**—25 days. Oblong roots, scarlet color with a white tip. Half inch thick by 1½ inches long.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

**PERFECTION WHITE TIPPED (Sparkler)**—26 days. Perfectly round or ball shaped, upper half bright scarlet, lower half a clear white; very attractive in appearance. Largely grown for market and home use.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

**PHILADELPHIA BOX WHITE**—28 days. A medium early, white variety for forcing or outside culture. Roots round, slightly top shaped, flesh white, very crisp, fine grained and tender.

Postpaid (Pkt. 10) (Oz. 15c) (¼ lb. 35c) (lb. \$1.00) (5 lbs. \$4.50).

**WHITE ICICLE**—27 days. Fine, long, wax-white roots, crisp and mild. Our stock is an improved strain.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

**MIXED RADISHES**—All kinds, colors and shapes. Just what is wanted for the garden where the space is limited. One sowing is all that is required for a continuous supply.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 30c) (lb. 90c) (5 lbs. \$4.00).

## WINTER VARIETIES

**CHINA ROSE**—52 days. Rose, 5-inch root, 2 inches across, cylindrical, blunt-ended and heavier at lower end. Flesh is pungent.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**ROUND BLACK SPANISH**—56 days. Gray-black, round, slightly top-shaped roots, 4 inches across and 3 inches deep. White, pungent flesh.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

**WHITE SPANISH OR CELESTIAL**—48 days. Very large, white, cylindrical, smooth roots, 6 to 9 inches long and 2½ to 3 inches across with white, crisp flesh.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 50c) (lb. \$1.50).

## RHUBARB

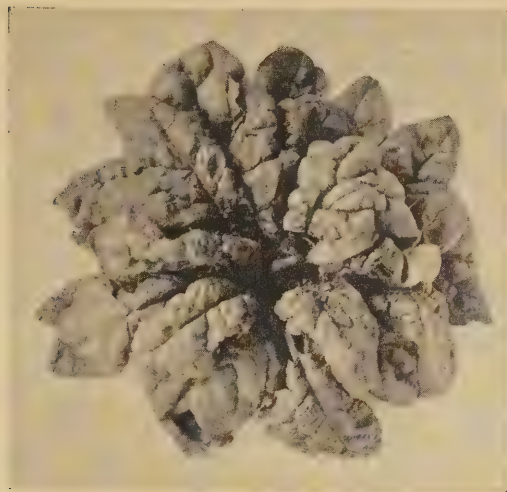
**CULTURE**—The roots can be raised from seed sown in the spring, and are ready to transplant to the permanent bed the next spring. Seedlings cannot be relied upon to produce the variety true to type no matter how carefully the seed is raised, so the roots that produce the largest and best stalks should be used, the rest being discarded.

**VICTORIA**—Stalks grow very large and are light green and scarlet in color.

Seed Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 60c) (lb. \$2.00).



## SPINACH



BLOOMSDALE SAVOY



GIANT GAUDRY

**CULTURE**—One ounce of seed will plant 100 feet of drill; 10 pounds an acre. Spinach is an important crop of easy culture for the market gardener. For spring and early summer use, sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and every two weeks thereafter for a succession crop. For winter and early spring use, sow in September in well-manured ground. Cover with straw on the approach of cold weather.

**GIANT GAUDRY (Longstanding)**—A rapid growing variety producing early in the season a mass of rather smooth, thick, rounded leaves of very large size. It stands well without bolting, yields a greater bulk than other varieties, and is highly recommended for both the home and market garden; fine for canning.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).

**GIANT NOBEL (Longstanding)**—Very valuable for market gardens and canning. Plants large, vigorous and spreading. It is slow to form seed stalks, and an extremely heavy yielder. Leaves huge, thick, smooth, pointed, with rounded tip; deep green, tender. The best of the Giant Thick Leaved sorts.

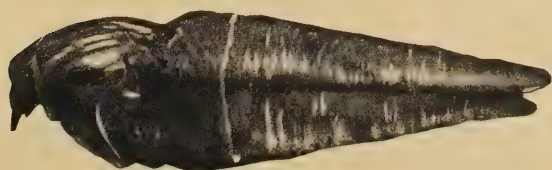
Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).

**HI-CURL**—45 days. A better and darker strain of the well-known reselected Bloomsdale. Its darker color gives the plants a fresh appearance for a longer time after being cut, and remains much longer in prime marketable condition.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).

**HEAVY PACK**—45 days. A dark green strain selected from Viking. The huge smooth leaves are of splendid quality and will produce more tonnage per acre than any other sort, and is slow going to seed.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).



SALSIFY

**BLOOMSDALE SAVOY (Reselected)**—Very early and hardy, and one of the best for market and canning. Plant of upright growth, with a tendency to go quickly to seed in hot weather. Stems 3 inches long, leaves of medium size.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).

**BLOOMSDALE SAVOY (Longstanding)**—Only a few days later than the regular Bloomsdale Savoy, it holds 12 to 14 days longer before throwing seed stalks. Plants are very uniform and sturdy, with very attractive, highly crumpled and blistered dark green leaves. Exceptionally valuable for home and market gardens, and for shipping.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).

**SPECIAL SUMMER SAVOY**—A new selection from the popular Longstanding Bloomsdale. It is darker green, will stand 3 to 4 days longer, and is best suitable for summer planting.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).

**AMERICA (Longstanding)**—The America is the longest standing and darkest green Bloomsdale type in existence. Extends the cutting season, stands the sun and heat better and gives the heaviest cropping.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 25c) (lb. 65c) (5 lbs. \$3.00) (10 lbs. \$5.50) (25 lbs. \$12.50).

**NEW ZEALAND**—Distinct from other kinds of spinach and particularly valuable for culture in hot, dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 70c) (lb. \$2.00).

## SALSIFY OR VEGETABLE OYSTER

**CULTURE**—A desirable winter vegetable. The roots, when cooked, are palatable and nutritious. Flavor is similar to oysters. A light, rich soil is most suitable, and it should be worked to a good depth. Seed is sown in spring in rows 12 to 15 inches apart and thinned to 4 inches apart in the row.

**MAMMOTH SANDWICH ISLAND**—A popular market garden sort, producing good sized roots, comparatively smooth. Postpaid (Pkt. 10c) (Oz. 30c) (¼ lb. 85c) (lb. \$3.00).



## SQUASH

**CULTURE**—After danger of frost is past, plant in a warm, well pulverized, rich soil, mixing well-rotted manure in each hill. Plant 8 to 10 seeds to the hill, about May 10th, for the summer varieties 4 to 6 feet apart, and the winter sorts 8 to 10

**BANANA**—A late sort, cylindrical and pointed at blossom end, with thin, slate-gray rind. Flesh thick, fine grained, yellowish orange, and of sweet flavor. Seeds brown and highly enameled.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**YANKEE HYBRID**—45 days. This is a true first generation hybrid made by controlled crossing of inbreds of Connecticut Straightneck and Early Prolific. This cross produces a squash that is distinctly earlier than either parent. It is more productive and more uniform. The vine is bush type. Fruit medium yellow, straight and very slightly warted.

Pkt. (15c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.00).

**EARLY YELLOW STRAIGHTNECK**—A lemon-yellow colored and small sized squash. Of late years the demand is for small, light yellow fruits, and this variety fills the bill. It is especially noted for its large yield of early fruits.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**GIANT SUMMER CROOKNECK**—The largest and one of the earliest summer varieties; fruit often 2 feet long, very warty and deep orange in color.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**EARLY WHITE BUSH (Green Tinted)**—A well-known variety of dwarf habit and upright growth. Surface comparatively smooth. Color, greenish-white while young, then changing to creamy white. One of the best and most popular sorts.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**BUTTERCUP**—100 days. Turban shaped with distinctive protruding button at blossom end of fruits, slightly ribbed, rind thin but hard and tough, skin dark green with silvery white lines and flecked with dull gray spots, size 4½ inches deep by 6½ inches in diameter. Flesh deep golden-yellow, thick, dry and very sweet. It is prolific, early and a fairly good keeper.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**BUTTERNUT**—90 days. Fruits average 3 to 4 pounds, 8 to 10 inches long, bulbous at the blossom end, where the small seed cavity is located; the thick neck is solid flesh. Rind thin, tough, cream colored, flesh fine grained, nutty and of excellent table quality. A prolific yielder and fairly good keeper.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**CHICAGO WARTED HUBBARD**—Somewhat larger than Improved Hubbard and more thickly covered with warts. Pointed at each end, very dark green; flesh deep orange-yellow, dry and sweet. A prolific, good keeping sort.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**COCOZELLA (Long Type)**—A summer variety of bush habit; fruit oblong, 12 to 14 inches in length and 3 inches in diameter at picking stage; color dark green with light green stripes.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**ZUCCHINI (Short Cocozella)**—A short type of Cocozella; fruit 7 to 8 inches long and 3 inches in diameter at picking stage; color light green speckled white; bush habit.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).



SQUASH, ACORN

feet, about July 1st. When well grown, thin out, leaving three of the strongest plants in each hill. Do not bruise or break the stems of the winter squashes when gathering. Plant summer sorts, 1 ounce to 25 hills; 3 to 4 pounds to an acre; winter sorts, ounce to 10 hills; 3 to 4 pounds to an acre.

**IMPROVED GREEN HUBBARD**—Standard winter sort for home market gardeners, and for shipping. Fruits weight 10 to 12 pounds, pointed at both ends, slightly warted, dark bronze-green in color; rind hard and tough; flesh very thick, orange-yellow, dry and sweet.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**BLUE HUBBARD**—100 days. Fruits large, round pointed at both ends. Slightly ridged, with very hard blue-gray rind; weight 12-14 pounds. Flesh yellow-orange, thick, of fine flavor.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**VERMONT HUBBARD**—105 days. Similar in size and shape to Imp. Hubbard, but more warted and uniform. Fruits about 10 lbs., dark green in color; shell very hard and strong; flesh exceptionally thick, deep orange, dry, fine grained, and of excellent flavor.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**MARBLEHEAD**—An early maturing variety of the Hubbard family, the rind is quite smooth, hard and slate gray in color. The dry, sweet flesh is very thick and quality is extra good. Curly top resistant.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**GOLDEN HUBBARD**—Similar to Green Hubbard, but earlier, smaller and more prolific. Popular with home and market gardeners and canners. Fruits somewhat pointed at each end; weight 8 to 10 pounds, moderately warted, orange-red, with faint cream colored stripes toward blossom end; flesh deep orange, dry and of fine quality; it keeps well.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**TABLE QUEEN OR ACORN**—Desirable for home and market garden use, also for shipping. Trailing in habit, with acorn-shaped fruits, ribbed, smooth, thin-shelled, dark green. Flesh light yellow, bakes well and sweet, inviting flavor. An early maturing variety.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).



SQUASH, ZUCCHINI

**MAMMOTH TABLE QUEEN**—80 days. A distinctive, large fruited strain of this hard and prolific variety. Comparable in season to regular Table Queen and with fruits similar in shape and color but much larger—average 5 inches across and 6 to 7 inches deep.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**DELICIOUS**—A popular winter sort, with top-shaped fruits weighing 7 to 8 pounds. Skin dark green, with light green stripes toward the blossom end; flesh orange, dry and of good flavor.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).

**U-CONN**—An entirely new winter squash that produces an acorn type fruit on a small compact plant. Uconn is an All-American Gold Medal Award for 1950. It is early and a heavy producer; fruits are slightly smaller than Table Queen, and are borne in clusters at the base of the bush, which is only 20 inches across and 24 inches high.

Postpaid (Pkt. 10c) (Oz. 20c) (¼ lb. 50c) (lb. \$1.75).



## TOMATOES

**CULTURE**—Days indicated represent the time required from the setting of plants to produce marketable fruits. One ounce of seed should produce 2,000 plants. Tomatoes do best on light, warm, not over-rich soil. Success depends in a large measure upon securing a rapid, vigorous, unchecked growth during the early part of the season. For first early tomatoes select varieties of the earliest types, and start the plants under glass in hot beds or greenhouses during February and March. When the plants are about 2 inches high they should be transplanted to flats, pots or plant boxes. Never crowd the plants, but keep them short and stocky. Plants already in

bloom, if in pots or boxes, may be transplanted to the open ground without disturbing their roots, and will continue to bloom and fruit without check. When danger from frost has passed, set the plants in the field in rows about 4 feet apart each way, in warm, mellow soil of fair fertility. For main crop the plants can be started somewhat later in hot beds or cold frames and then set in the open ground the same as the early varieties. Tomatoes require very little water, just enough to keep them in good growing condition; too much water will cause them to blight. Cultivate often and thoroughly as long as the vines will permit. The last two or three workings of the soil should be shallow or the crop may be badly injured.

**BREAK OF DAY**—70 days. A cross of Marglobe and Marvana, resistant to Wilt and Nail-head rust. Plant light, of open spreading habit, with medium foliage; early and very prolific. Fruits medium large, orange-red, uniform, globe shaped, smooth.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**BONNY BEST**—74 days. Early mid-season sort for market, canning or shipping. Medium sized, bright scarlet fruits, smooth, solid and flattened globe shape.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**BOUNTY**—65 days. Fruits are globular, medium size, 2½ to 3 inches in diameter, scarlet. Core is small. Fruits smooth, borne high on plant. Vines small and self-topping.

Postpaid (Pkt. 10c) (Oz. 60c) (¼ lb. \$2.00) (lb. \$7.00).

**CHALK'S EARLY JEWEL**—76 days. A second-early sort for home gardens and truckers, also good for canning in the North. Plant medium, with open growth; prolific. Fruits medium large, smooth, scarlet, flattened, globe-shaped.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**EARLIANA**—66 days. Very productive for an early sort; fruits of fair size, round, very smooth and solid, and produced in clusters in center of plant; color bright scarlet. Plants have a distinct open habit of growth.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**EARLY DETROIT**—81 days. A mid-season sort with rather heavy, highly productive plants. Fruits medium large, semi-globular; purplish pink, quite smooth and solid.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**GOLDEN QUEEN**—84 days. An attractive novelty, producing medium size, rich golden yellow fruits, slightly flattened, smooth, firm, good flavored, being milder than the red varieties.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**GROTHEN'S RED GLOBE**—70 days. An early maturing, smooth, productive wilt-resisting variety that is becoming popular for shipping. The fruits are deep scarlet; color and size about like Marglobe.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**INDIANA BALTIMORE**—80 days. A main crop or mid-season variety, fruits are large sized, good red internal color and solid structure. The vines are vigorous, leaves very coarse, heavy producer.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.00).

**JOHN BAER**—70 days. A few days earlier than Bonny Best, which it resembles. For local market and canning.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**JUNE PINK**—69 days. The earliest of the pink-fruited varieties. Vine is open, spreading, and rather short. Fruits medium sized, flattened, smooth; color purplish-pink.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**JUBILEE**—72 days. Fruits are large, bright golden orange, globular, heavy, full flavored and really delicious, the orange colored interior is thick-walled with few seeds. Makes delicious juice, very high in Vitamins A and C.

Postpaid (Pkt. 15c) (Oz. 90c) (¼ lb. \$3.00) (lb. \$10.00).

**LIVINGSTON'S BEAUTY**—84 days. One of the best pink fruited sorts, medium late in season. Plants sturdy, vigorous and prolific. Fruits medium large, deep-flat, smooth, purplish pink, solid, of good quality.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**LOUISIANA PINK**—75 days. An early maturing wilt resistant variety. Vines open with finely cut leaves. Fruits medium sized, quite smooth, deep flat, purplish pink.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**MARHIO**—79 days. A pink fruited Marglobe developed by the Ohio Agricultural Station. In season it is the same as Marglobe. Fruits medium large, nearly globular, smooth with thick walls and cross-sections; of fine quality.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**MARGLOBE**—79 days. Introduced by the United States Department of Agriculture, this main crop variety has come into wide use by truckers and shippers, and in some sections by canners. Plant vigorous, with heavy foliage, resistant to Wilt and Nailhead rust; moderately productive. Fruits medium large, nearly globular, smooth, solid, with thick walls and cross-sections, of fine quality.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**MASTER MARGLOBE (Certified)**—77 days. Early mid-season variety, similar to the usual Marglobe but more uniform, slightly earlier, very solid, and very free from blossom end scar and flats.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**MINGOLD**—73 days. Excellent yellow-fruited variety, early and prolific. Fruits of medium size, globular and smooth with mild and pleasant flavor.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**NEW STONE**—86 days. A fine strain of the old main crop variety. Has large, flat, scarlet fruits, smooth and solid. Very productive.

Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.50) (lb. \$5.50).



MARGLOBE



**IMPROVED PEARSON**—76 days. Vigorous, self-topping plants with ample foliage to protect the heavy set of fruits, which are medium large, semi-globe and of good red color. Good canning and shipping variety.  
Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.25) (lb. \$8.00).



TOMATO, IMPROVED PEARSON

**PONDEROSA or BEEF STEAK**—88 days. Large, pink fruited home garden sort, inclined to crack.  
Postpaid (Pkt. 10c) (Oz. 75c) (¼ lb. \$2.25) (lb. \$8.00).

**RUTGERS (Certified Seed)**—It is a second early variety, fruits are medium to large, similar in shape to Marglobe, except that they are more flat in the stem end. The fruit has a thick outer and inner wall, with very small seed cavities. The flesh is firm and red.  
Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**STOKESDALE CERTIFIED**—72 days. An early scarlet fruited sort with remarkably solid interior, ripening from the inside outward. Resembles Marglobe in size and shape but about 10 days earlier. Owing to its short season, it is well adapted to the northern states.  
Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**VALIANT**—70 days. The fruit is smooth, very solid, free from cracks, and of excellent flavor, and of brilliant scarlet color. Excellent for slicing.  
Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

**WASATCH BEAUTY**—85 days. The fruit is round, firm, smooth and a beautiful red color, and borne in clusters of three to six good sized tomatoes. It is an especially good shipping and canning variety. The branches terminate in a cluster of fruit, making a compact plant so that more plants may be set per acre.  
Postpaid (Pkt. 10c) (Oz. \$1.00) (¼ lb. \$3.00) (lb. \$11.00).

**YELLOW PLUM**—72 days. A small, yellow-fruited variety much resembling a plum in size and form; for preserving.  
Postpaid (Pkt. 10c) (Oz. 50c) (¼ lb. \$1.75) (lb. \$6.50).

### HYBRID TOMATOES

**STOKESCROSS No. 2 F2**—70 days. An early and continuous bearer of full size (5½ oz.) full flavored fruit, suitable for market and for processing. Deep red in color, free from interior core.  
Postpaid (Pkt. 25c) (Oz. \$3.00) (¼ lb. \$9.00).

**MAINCROP**—82 days. Produces a 6 oz. tomato, with a very solid interior, fine flavor, bright scarlet, and high in production.  
Postpaid (Pkt. 25c) (Oz. \$3.00)

## TURNIP

**CULTURE**—One ounce of seed will sow 150 feet of drill; 2 pounds an acre.

**PURPLE TOP WHITE GLOBE**—55 days. Almost a perfect globe in form; flesh and skin white, colored purple, or red, above ground; very fine grained and sweet. A superior variety.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 35c) (lb. \$1.00) (5 lbs. \$4.50).

**PURPLE TOP WHITE GLOBE (Smith Strain)**—55 days. This pure bred strain is noted for its uniformity and productivity. Top dark green, large, erect cut leaved. Root large, globe shaped, very smooth; upper part purple-red, white below; flesh white, sweet, crisp and tender.

Postpaid (Oz. 15c) (¼ lb. 35c) (lb. \$1.00) (5 lbs. \$4.50).

**EXTRA EARLY PURPLE TOP MILAN**—45 days. Extremely early and of splendid quality; bulbs of medium size, flat and white, with a bright purple top; strap leaved.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**EXTRA EARLY WHITE MILAN**—45 days. Similar to Purple Top Milan, except that the roots are a solid clear white.

Postpaid (Pkt. 10c) (Oz. 25c) (¼ lb. 50c) (lb. \$1.50).

**WHITE EGG**—50 days. An early oval or egg-shaped variety. Roots of medium size, smooth and clear white; of the very best quality.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 35c) (lb. \$1.00) (5 lbs. \$4.50).

**TOKAY MARKET**—45 days. An old favorite that is rapidly regaining its pre-war popularity because of its outstanding sweet flavor, solid yet tender root, pure white measuring about 2 inches in diameter and 1¼ inch in depth.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 35c) (lb. \$1.00).



PURPLE TOP WHITE GLOBE TURNIP

### RUTABAGA OR SWEDE TURNIP

**AMERICAN PURPLE TOP**—100 days. The standard variety grown for home use, market and storage. Roots large and globular, deep purplish red above ground, light yellow below, with medium short neck. Flesh a creamy yellow, of finest texture and flavor. A good yielder and keeper.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 35c) (lb. \$1.00).

**LAURENTIAN**—92 days. An outstanding purple top variety introduced from Canada. Clean, well shaped root, almost neckless, skin thick, good keeper. Flesh light yellow, fine grained, excellent quality. Top light green, shorter than American Purple Top.

Postpaid (Pkt. 10c) (Oz. 15c) (¼ lb. 35c) (lb. \$1.25).



## HERBS

**CULTURE**—Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills one foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full bloom; dry quickly in the shade, pack closely in bottles or dry boxes to exclude the air.

**ANISE**—75 days. Annual. 1½ ft. Used for garnishing and flavoring; the seeds have an aromatic flavor and are used in cakes, soups and other foods.  
(Pkt. 10c) (½ Oz. 40c).

**BALM**—Perennial. Leaves and stems are used for their aromatic odor.  
(Pkt. 10c).

**BORAGE**—80 days. Annual 1½ ft. Leaves are used in salads and also to flavor cooling drinks. Splendid for bees.  
(Pkt. 10c) (½ Oz. 40c).

**CARAWAY**—70 days. Biennial. 1½ ft. tall. Seeds are used for flavoring pastry. Young leaves may be used in salads.  
(Pkt. 10c) (½ Oz. 40c).

**CATNIP**—80 days. Perennial. 1½ ft. Leaves are strongly scented, when dried are given as a special treat to cats.  
(Pkt. 10c) (½ Oz. 40c).

**CHERVIL**—75 days. Annual. Used as flavoring in egg and fish sauces. Leaves used in salads.  
(Pkt. 10c) (¼ Oz. 25c).

**CHIVES**—80 days. Perennial. 6 inch. Tops, finely cut are used for giving a mild onion like flavor to salads, stews and soups.  
(Pkt. 10c) (Oz. \$1.25).

**CORIANDER**—75 days. Annual. 1½ ft. The green leaves are used in soups and sauces; the dried seeds in meats, sausage, and pastry.  
(Pkt. 10c) (½ Oz. 30c).

**DANDELION**—60 days. Used for salads.  
(Pkt. 10c).

**DILL**—70 days. Annual. 2 to 2½ ft. The dry or green branches are used for flavoring dill pickles and beets.  
(Pkt. 10c) (Oz. 25c) (¼ lb. 60c) (lb. \$1.50).

**FLORENCE FENNEL**—60 days. Annual. 2½ ft. The large leaf base has a pleasing anise-like flavor and may be boiled and used in fish sauces and pastry, or the stalks are eaten raw like celery.  
(Pkt. 10c) (½ Oz. 35c).

**HOREHOUND**—75 days. Perennial. 14 inch. The leaves are used for seasoning and in candy or medicine for coughs and colds.  
(Pkt. 10c) (½ Oz. 55c).

**LAVENDER (True)**—60 days. Perennial. 1 ft. Flowers are dried and placed in linen closets to impart their perfume to the contents. Sweet scented lavender blue flowers on stems of silvery gray foliage.  
(Pkt. 10c) (½ Oz. 60c).

**ROSEMARY**—75 days. Perennial. 1 ft. Fragrant leaves used for seasoning and in manufacturing perfume.  
(Pkt. 10c) (¼ Oz. 35c).

**SAGE**—75 days. Perennial. 1 to 2 ft. Used as a seasoning for poultry, sausage, and dressing. May be used fresh or dried.  
(Pkt. 10c) (½ Oz. 40c).

**SWEET BASIL**—85 days. Annual. 1½ to 2 ft. The leaves green or dried are chiefly used as a seasoning for soups, sauces, vinegar, beans and peas.  
(Pkt. 10c) (¼ oz. 25c).

**SUMMER SAVORY**—60 days. Annual. 1 ft. Used chiefly for flavoring salads.  
(Pkt. 10c) (¼ Oz. 25c).

**THYME**—85 days. Perennial. 6 to 10 inches high. Has aromatic foliage which is used in seasoning soups, stews, sauces and dressings.  
(Pkt. 10c) (½ Oz. 30c).

## VEGETABLE PLANTS AND ROOTS

### ASPARAGUS ROOTS

For the home garden plant asparagus roots 18 inches apart in rows 2½ feet apart, 100 roots for a patch 20x20 feet.

**WASHINGTON**—A new rust-resisting variety of great promise that is being planted largely in this vicinity. The stalks are large, dark green, with a heavy purple over tone.

Postpaid: 1-year-old roots (Doz. 75c) (100 for \$3.00).



**PARADISE** — New, early maturing variety. Large, crisp, tender stalks with fine, mild flavor, similar in appearance to Washington and rust-resisting. Producing crop one year earlier than any other variety.

Postpaid: 1-year-old roots only (Doz. 75c) (100 for \$3.00).

WASHINGTON  
ASPARAGUS

### CHIVES

Small, hardy perennial, belonging to the onion family, which grows in clusters. Leaves used for salads and for flavoring in soups and salads.

Postpaid (Per Bunch 60c) (3 for \$1.50).

### GARLIC

Used for flavoring. The bulbs are set like onion sets about 4 inches apart in the row, divided into "cloves" or flakes and covered 2 inches deep. When tops die down take up the bulbs and dry in a shady place. Bulbs only.

Postpaid (¼ lb. 25c) (½ lb. 45c) (lb. 85c) (10 lbs. \$7.50).

### RHUBARB OR PIE PLANT

Rhubarb should be in every garden, as it affords the earliest sauces and pies in spring. Set roots out in spring or fall, in rows 4 feet apart, so the crowns are an inch below the surface. Do not pull stalks the first season. Plants set out in the spring will bear quite abundantly the following season.

**RUBY**—Very high in sugar content and of exceptionally fine flavor, deep rich ruby red, the reddest of all Rhubarb. It makes a deep rich red sauce which is very beautiful and tasty.

Postpaid (Each 75c) (3 for \$2.00).

**MacDONALD**—Is an unusually fine flavored rhubarb, high in sugar content. Stalks green with red veins. Makes a fine pink sauce of good flavor.

Postpaid (Each 60c) (3 for \$1.65).

### HORSE RADISH

Horse Radish is easily grown from sets—small lengths of roots. These sets, if planted in the spring in good, rich soil, will form large roots by fall. The set should be planted with the small end down and the upper portion 2 inches below the surface.

Postpaid (75c per doz.) (\$4.00 per 100).

### SAGE

The leaves of this perennial are used to flavor meats, poultry dressings, sausages and cheese.

Postpaid (Per Clump 60c).



## A DESCRIPTIVE LIST OF SELECTED FLOWER SEEDS

**CULTURE**—Sow the seeds broadcast or in rows, and cover lightly—a good general rule is to cover four to six times the size of the seeds—and press down the soil firmly. Small seeds cannot come up if covered too deep. Very fine seeds should be sown on the surface and pressed into the soil. To have the earliest blooms, flowers that stand transplanting should be sown early in boxes indoors. Water with a fine spray, do not let

the soil dry out, do not keep the plants saturated. When three or four leaves have formed, transplant one inch apart in boxes, or in the open ground if warm enough. The soil best suited to flowers is a light, rich loam, made as fine and smooth as possible. Many seeds are very small and require a fine seed-bed. Varieties marked with (a) indicate annuals, those with a (p) are perennials.

### AFRICAN GOLDEN DAISY (a)

The plants are of branching habit, growing about 15 inches high, and easily cultivated. The flowers vary in color from purest white to yellow, orange and rich salmon shades, many being zoned with several of these colors around the black disk. (Pkt. 10) (½ oz. 75c).

### AGERATUM (a)

Popular annual plants producing fluffy blue flowers all summer. The dwarf stature and compact habit permit its use as an edging plant or in the rockery where it will flourish in any soil, sun or partial shade.

**BLUE PERFECTION**—Flowers deep blue, growing 9 inches tall. (Pkt. 10c) (½ Oz. 60c).

### ALYSSUM (a)

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in summer, or for growing in pots and boxes for winter blooming.

**LITTLE GEM**—Very dwarf with white flowers, 4 to 6 inches high. (Pkt. 10c) (¼ Oz. 50c).

**CARPET OF SNOW**—White flowers on plants only 3 inches tall. (Pkt. 10c) (¼ Oz. 20c).

**SWEET**—Taller variety, growing 8 inches high, white flowers. (Pkt. 10c) (¼ Oz. 20c).

**VIOLET QUEEN**—Dwarf, compact plants of small, sweetly scented flowers of a very rich deep shade of violet. (Pkt. 10c).

**ROYAL CARPET**—All American Selection for 1953. Brilliant new gem for the garden. The spreading compact habit and rich violet purple color should be an excellent companion to Carpet of Snow. Height 3 in., spread 12 in. (Pkt. 25c).

**SAXATILE COMPACTUM**—Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in early spring, hardy perennial. (Pkts. 10c) (½ Oz. 40c).



ALYSSUM SAXATILE

### ARCTOTIS (a)

**BLUE EYED AFRICAN DAISY**—Silvery white daisy like flowers with delicate sky-blue eye with yellow halo. Plants 2½ ft. tall very free blooming. (Pkt. 10c) (½ Oz. 40c).

### ASTERS (a)



ASTER, CREGO TYPE

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From August until frost this flower reigns supreme in the garden, not equaled by any other. To do well, Asters require a well pulverized soil, and frequent cultivation as well as a sunny location.

**IMPROVED CREGOS WILT RESISTANT**—The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong and heavily branched and grow about 2½ ft. in height.

**Crimson**—Glowing deep rose-crimson. (Pkt. 10c) (½ Oz. 40c).

**Purple**—Showy violet purple. (Pkt. 10c) (½ Oz. 40c).

**Rose**—Lovely bright carmine rose. (Pkt. 10c) (½ Oz. 40c).

**Pink**—Soft shell pink. (Pkt. 10c) (½ Oz. 40c).

**Azure Blue**—Pale blue. (Pkt. 10c) (½ Oz. 40c).

**White**—Purest white, large and fluffy. (Pkt. 10c) (½ Oz. 40c).

**Mixed Colors**—Pkts. 10c) (½ Oz. 35c) (Oz. \$2.00).

**QUEEN OF THE MARKET (Wilt Resistant Strain)**—Usually in bloom two weeks before most other sorts begin to flower. Flowers are nearly round, fully double, and measure 3 inches across. Plants 18 inches high. Mixed colors. (Pkt. 10c) (½ oz. 30c) (Oz. \$2.00).

## AIDS IN SELECTING FLOWER SEEDS FOR SPECIAL PURPOSES

**Tall Sorts for Backgrounds:** Amaranthus, Canna, Cosmos, Dahlia, Lupin, Marigolds, Ricinus, Sunflower, Zinnia.

**Medium High Annuals:** Antirrhinum, Arctotis, Aster, Balsam, Bachelor Button, Calliopsis, Chrysanthemum, Clarkia, Godetia, Larkspur, Lupin, Pinks, Scabiosa, Schizanthus, Statice, Stocks, Zinnia.

**Dwarf Border Plants:** Alyssum, Candytuft, Carnation, Daisy, Pansy, Pinks, Sweet William, Viola, Zinnias Lilliput.

**Window Boxes:** Alyssum, Lobelia, Nasturtium Dwarf, Petunia, Thumbergia.

**Foliage Plants:** Amaranthus, Cineraria, Kochia, Ricinus.

**Medium High Perennials:** Campanula, Columbine, Coreopsis, Gypsophyllia, Gaillardia, Lupin, Poppy, Shasta Daisy, Sweet William.

**Tall Perennials:** Delphinium, Foxglove, Hollyhock.

**Rock Garden Annuals:** Ageratum, Alyssum, Candytuft, Bachelor Button, Eschscholtzia, Gypsophyllia, Lobelia, Pinks, Portulaca, Verbena.

**Rock Garden Perennials:** Campanula, Candytuft, Columbine, Poppy, Pinks, Viola.



**AMARANTHUS (a)**

Attractive foliage plants, up to 5 ft. high; for backgrounds, groups or foundation plantings.

**CAUDATUS**—Love Lies-Bleeding. Long, slender, drooping dark red flower spikes often in branched clusters; green foliage. (Pkt. 10c) (½ Oz. 30c).

**TRICOLOR Splendens**—Joseph's Coat. Rich, scarlet crimson foliage, prettily variegated yellow and bronze green. (Pkt. 10c) (½ Oz. 35c).

**DOUBLE BATCHELOR'S BUTTON (a)**

This superb class of Cornflowers produces handsome, large double blooms effective out of doors and in bouquets. Easily grown from seed, if sown in early spring produces flowers from midsummer until frost.

**BLUE BOY**—Deep blue with black markings. (Pkt. 10c) (½ Oz. 35c).

**RED BOY**—Deep red with blue markings. (Pkt. 10c) (½ Oz. 35c).

**PINKIE**—Deep pink with blue markings. (Pkt. 10c) (½ Oz. 35c).

**SNOWMAN**—White with blue markings. (Pkt. 10c) (½ Oz. 35c).

**DOUBLE MIXED**—(Pkt. 10c) (½ Oz. 35c).

**BALSAM (Lady Slipper) (a)**

An old and popular garden flower of easy culture. Plants grow about 18 inches high, with clusters of double flowers resembling camellias produced in abundance, flowers are of unusual colors ranging from white to deep rose.

**CAMELIA FLOWERED MIXED**—(Pkt. 10c) (½ Oz. 25c).

**BELLS OF IRELAND**—Both curious and beautiful, produces graceful 2 ft. stems well branched, so surrounded by 2 inch flowers there is little room for leaves. The little bells are a bright green, each containing a small white corolla in the center. Makes beautiful bouquets and can be dried for winter bouquets. (Pkt. 25c).

**CALLIOPSIS (a)**

Free flowering, wiry-stemmed annuals in shades of yellow, brown and crimson. The flowers resemble a daisy with raised brown centers, and are often times marked with bands or centers of contrasting tones. (Pkt. 10c) (½ Oz. 30c).

**COREOPSIS (p)**

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting.

**DOUBLE SUNBURST**—Large double flowers of brilliant golden yellow, 1½ to 2 inches across. Easy to grow. (Pkt. 10c) (½ Oz. 35c).

**CALIFORNIA POPPY (Eschscholtzia) (a)**

The foliage is finely cut, fern-like, and silvery green in color. The flowers are bright yellow and orange, they start to bloom in a few weeks after the seed is sown.

**SPECIAL MIXTURE OF COLORS**—Giant flowering poppy in soft pink, scarlet, chrome, copper red, claret, yellow, white, royal purple and orange. (Pkt. 10c) (½ Oz. 25c) (½ Oz. 40c).

**GOLDEN WEST**—Flowers bright yellow and orange, penciled and blotched. (Pkt. 10c) (½ Oz. 25c) (½ Oz. 40c).

**SANTA BARBARA POPPY**—Hunnemannia—Large yellow flowers 3 inches across, petals are crinkled like crushed satin. (Pkt. 10c) (½ Oz. 60c).

**CALENDULA (Pot Marigold) (a)**

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early summer and continues into the fall. Even though they prefer a sunny location and rather dry soil, they require little care to grow to perfection, height 18 to 24 inches.



**ART SHADES MIXED**—A splendid mixture of varied shades of apricot, orange, cream and buff. (Pkt. 10c) (½ Oz. 50c).

**CARNATIONS (a)**

Few flowers surpass in beauty of form or delicious fragrance as the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.



**CHABAUD GIANT**—18 inches. This variety blooms six months after seeding and continues through the summer, produces flowers of extra large size. If plants are protected during the winter they will continue to live and bloom for many years.

**Cardinal Red**—Dark crimson red. (Pkt. 15c).

**Bright Rose**—(Pkt. 15c) (1/16 Oz. 60c) (½ Oz. \$1.00).

**Yellow**—Lemon Yellow. (Pkt. 15c) (1/16 Oz. 60c) (½ Oz. \$1.00).

**Pure White**—(Pkt. 15c) (1/16 Oz. 60c) (½ Oz. \$1.00).

**Chaubaud's Mixture**—(Pkt. 10c) (½ Oz. \$1.25).

**CANDYTUFT (a)**

Well-known dwarf, profuse flowering plants of easy culture. Charming for beds, edgings and rock gardens.

**DWARF MIXED (Umbellata)**—Umbel or umbrella shaped flower heads made up of many small florets cover the dwarf bushy plants, which grow 1 ft. tall. Colors range from white, soft pink to dark crimson. (Pkt. 10c) (½ Oz. 30c) (½ Oz. 50c).

**GIANT HYACINTH FLOWERED**—Plants are very branched, each branch a massive, long and thick hyacinth-like spike of pure white. Plants 18 inches tall. Excellent for cutting. (Pkt. 10c) (½ Oz. 45c).

**CANTERBURY BELLS (b)**

**CAMPANULA CALYCANTHEMA**—Cup and Saucer Type. Perhaps the most beautiful type; distinct in form with large bell or cup-shaped flowers, surround at the base by a large calyx of similar color the whole resembling a cup and saucer. Flowers are white, blue and pink shades. Bloom the second year from seed or first year from seed if sown in fall. Finest Mixed. (Pkt. 10c) (½ Oz. 50c).

**CASTOR OIL BEAN (Ricinus) (a)**

Tall stately growing plants of tropical appearance; their luxuriant foliage makes them exceedingly ornamental.

**ZANZIBARIENSIS**—Ornamental bronze foliage and brilliantly colored seed pods. (Pkt. 10c) (Oz. 25c) (¼ lb. 75c).

**CHRYSANTHEMUM**

The annual varieties or Painted Daisies, as they are called, bloom from early summer until frost.

**SINGLE MIXED**—These are the painted daisies and come in many brilliant colors. (Pkt. 10c) (½ Oz. 25c).

**DOUBLE MIXED**—Plants 18 inches high with double flowers that range in color from white to deep orange. (Pkt. 10c) (½ Oz. 35c).

**CLARKIA (a)**

Graceful slender upright plants, covered almost their entire length with dainty double flowers which resemble those of the flowering almond, of pastel shades, plants 24 inches tall.

**DOUBLE MIXED**—(Pkt. 10c) (½ Oz. 45c).

**COBAEA SCANDENS (Cathedral Bells) (a)**

A rapid growing annual climber. Flower lilac-blue, bell shaped. (Pkt. 10c) (½ Oz. 45c).



**COCKSCOMB (a)**

Celosia—A very ornamental plant with curious flowers resembling a cock's comb.

**DWARF MIXED**—Flowers of red and yellow, growing about 12 inches high. (Pkt. 10c) (¼ Oz. 50c).

**TALL MIXED**—Plants 2 feet tall with ornamental heads of red and yellow that may be dried for winter. (Pkt. 10c) (¼ Oz. 35c).

**PAMPAS PLUME**—Big fleecy feathery plumes in all the brilliant colors of autumn leaves: gold, copper, deep red henna and carmine. Quick growing, heat loving and pest free; stand 30 inches high and bloom in 75 days from seed. Especially good for winter bouquets. (Pkt. 25c).

**COLUMBINE (p)**

**ROCKY MOUNTAIN**—This is Colorado's emblematic flower. Beautiful blue and white flowers so well known that a detailed description is unnecessary. (Pkt. 25c).

**COSMOS (a)**

No garden is complete without Cosmos, these old favorites supply a gorgeous, colorful effect during late summer and fall. Fine for cutting as the flowers last well in water, easy to grow. We offer the newest development in Cosmos.

**SENSATION MIXED**—Flowers are very large, as much as 5 inches in diameter with broad heavy fluted petals, slightly overlapped. Sturdy plants 3 to 4 feet high, producing flowers 8 to 10 weeks from seed. (Pkt. 10c) (¼ Oz. 30c).

**DAHLIAS (From Seed) (a)**

**UNWIN'S DWARF HYBRIDS**—This is an improved strain of this popular flower, they grow from 18 inches to 2 feet tall and come in many delightful shades. We offer an improved strain which gives you a wider assortment of choicer colors. Produces a high percentage of doubles from seed. Mixed colors. (Pkt. 10c).

**COLTNESS DWARF HYBRIDS**—A very dwarf variety for bedding. This strain produces many beautiful pastel shades of single flowers. Excellent for cutting. Growing the miniature Dahlias from seed is becoming a popular garden practice. Mixed colors. (Pkt. 15c).

**DELPHINIUM (p)**

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The magnificent tall varieties are stately and beautiful in front of shrubbery. Above the deeply cut dark green leaves rise long floral spikes. Height 6, to 8 feet.



**BELLAMOSUM** — Dark blue. (Pkt. 15c) (¼ Oz. 50c).

**BELLADONNA** — Light blue. (Pkt. 15c) (¼ Oz. 50c).

**GOLD MEDAL** — A wonderful improved type of Delphinium. The colors range from palest lavender, through every shade of blue to pansy-violet, several shades being blended in some of the varieties. (Pkt. 15c) (¼ Oz. 50c).

DELPHINIUM  
PACIFIC HYBRIDS

**PACIFIC HYBRIDS MIXED COLORS**—A mixture of the many shades now available in these sturdy hybrids from white through sky blue to deepest purple. (Pkt. 25c).

**EVERLASTING SWEET PEAS**

**LATHYRUS LATIFOLIUS**—A very decorative climbing vine of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting blooms all summer.

**MIXED COLORS**—(Pkt. 15c).

**FOUR O'CLOCK (a)**

A favorite showy annual for beds and borders. Bushy plants with red, white and yellow flowers opening in afternoon. Height about 2½ ft.

**TALL MIXED**—(Pkt. 10c) (Oz. 50c).

**FOXGLOVE (p)**

This ornamental hardy plant is used extensively for naturalizing in shrubby borders and along fences. It grows well under almost all conditions giving a wealth of bloom during July and August. Flowers are pink, purple and white, large open-tubed on tall spikes.

**GIANT SHIRLEY MIXED**—(Pkt. 10c) (¼ Oz. 40c).

**GAILLARDIA**

Tones of orange, yellow, red and maroon, often beautifully combined in a single blossom, makes these flowering plants gay ornaments of the garden all summer long. The foliage of soft green combines well with the flowers. The blossoms are 2 to 3 inches across.

**ANNUAL MIXED**—(Pkt. 10c) (¼ Oz. 30c).

**PERENNIAL MIXED**—(Pkt. 10c) (¼ Oz. 30c).

**GODETIA (a)**

Dwarf, hardy annuals of easy culture. They do best in a sunny position in rather poor soil. Sow the seed outdoors in May, thinning out well in the rows, or start in hotbeds and transplant. Flowers are large, trumpet shaped of satiny texture and rich coloring. All shades of rose. (Pkt. 10c) (¼ Oz. 30c).

**GOURDS (a)**

Tender annual climbers of rapid growth, vines often growing 20 to 30 feet long. They have luxuriant foliage, fruits curiously shaped in various colors by tying strings around the young fruit or by enclosing same in a carved mold while growing. Many of these fruits keep for years, being very hard shelled. Ornamental mixed. (Pkt. 10c).

**GEUM (p)**

Beautiful hardy perennials, bearing profusely large showy double flowers all through the summer. Beautiful flowers for bouquets.

**MRS. BRADSHAW**—Large, double, brilliant orange-scarlet, in flower throughout the entire summer. (Pkt. 10c). (1/16 Oz. 30c).

**GYPSOPHILA (Baby's Breath)**

Pretty free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers.

**ANNUAL WHITE**—This is an improved large-flowering form of Baby's Breath. (Pkt. 10c) (¼ Oz. 25c).

**ANNUAL PINK**—(Pkt. 10c) (¼ Oz. 35c).

**PANICULATA SINGLE WHITE (Perennial)**—Hardy perennial. Will bloom first year if sown early, height 2 feet. (Pkt. 10c) (¼ Oz. 35c).

**SPECIAL GARDEN FLOWER MIXTURE****Garden Flower Seeds**

Here we offer a mixture of many easy growing annual flowers that can be sown broadcast, and with practically no care at all will produce a bright effect. This mixture will furnish an abundance of cut flowers for the house. (Pkt. 10c) (1 oz. 50c).

**Rock Garden Mixtures**

**ROCK GARDEN ANNUALS**—(Mixed)—Splendid mixture of 25 varieties for rock gardens. (Pkt. 10c) (¼ Oz. 50c).

**ROCK GARDEN PERENNIALS**—(Mixed)—Wonderful mixture of over 50 rare and choice rock garden perennials. (Pkt. 10c) (¼ Oz. 50c).



ROCK GARDEN PERENNIALS, MIXED



**HELIOTROPE (a)**

Everyone loves the fragrance and beauty of Heliotrope. Excellent bedding plants in summer, desirable pot plants during winter. Succeeds in any good soil and full sun.

**LEMOINE GIANT**—Many shades ranging from pure white to violet blue. (Pkt. 10c) (½ Oz. 60c).

**HOLLYHOCKS (p)**

This is an old garden favorite, excellent for a background to dwarfier plants, for screening unsightly places and planting along bare walls. They are of the easiest culture, and like a warm sunny location. Bloom from late spring until mid-summer.

**DOUBLE LARGE FLOWERED**—Large double flowers with waved and fringed petals of many unusual colors, 5 to 6 ft. tall. (Pkt. 10c) (½ Oz. 50c).

**HYACINTH BEAN (Dolichos) (a)**

A rapid growing annual climber for sunny situations. Stems purplish red with purple shades in the leaves. Long spikes of deep reddish maroon followed by beautiful metallic purple seed pods. (Pkt. 10c) (Oz. 35c).

**LARKSPUR (a)**

Annual delphiniums are adorned with finely cut, feathery foliage of soft green which sets off to advantage the handsome long floral spikes of double blossoms.

**GIANT IMPERIAL**—This new form produces plants of erect habit, branching from the base, affording longer stems for cutting. We offer a splendid choice of colors.

**Blue Bell**—A fine medium Blue.

**Blue Spire**—Deep Oxford Blue.

**Lilac King**—Rich Lilac.

**Pink Perfection**—Light Pink.

**Rose King**—Soft Rose.

**White King**—Glistening White.

Any one above—(Pkt. 10c) (½ Oz. 40c) (¼ Oz. 75c).

Mixed—(Pkt. 10c) (½ Oz. 35c) (¼ Oz. 60c).



GIANT IMPERIAL LARKSPUR

**LINUM (Flax)**

**SCARLET FLAX (Grandiflorum Rubrum)**—An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches high. Though the flowers last only one day, new ones appear every morning. (Pkt. 10c) (½ Oz. 25c).

**PERENNIAL BLUE**—A hardy perennial; bears graceful bright blue flowers from June until frost, produces new flowers each day, fading and dropping by each evening. Feathery foliage. (Pkt. 10c) (½ Oz. 30c).

**LOBELIA (a)**

Plants small and compact, bearing a profusion of brilliant blue flowers. A great favorite not only for borders but for window and porch boxes as well. (Pkt. 10c) (½ oz. 85c).

**RUSSELL'S LUPINS (p)**

This is without doubt the finest strain of perennial Lupins yet introduced. The flower spikes are longer, and the flowers closer placed than any of the earlier kinds. The colors are brighter and come in a wide range of solid colors and striking bi-colors. (Pkt. 10c) (½ Oz. 70c).



MARIGOLD, SUNSET GIANTS

**MARIGOLD (a)**

A wealth of color all summer and fall unequalled by any other flower. Easy to grow in ordinary garden loam but give the best results in a fairly rich medium one. Be sure of plant in a sunny location. All are lovely for cutting, the flowers keeping in fine condition for a long time.

**GUINEA GOLD**—Brilliant orange carnation like flowers flushed with gold. Height 2 ½ ft. (Pkt. 10c) (¼ Oz. 30c).

**YELLOW SUPREME**—Lemon yellow blooms 4 in. across with broad, loosely placed frilled petals that are exquisite. Height 28 inch. (Pkt. 10c) (¼ Oz. 30c).

**CROWN OF GOLD**—The first of the famous marigolds with odorless foliage; sweetly fragrant collarette flowers of brilliant orange gold. 2 in. across, plants grow 2 ft. tall. (Pkt. 10c) (½ Oz. 25c).

**TALL DOUBLE FRENCH MIXED**—Flowers are double with bright yellow pin cushion center crests surrounded by several rows of mahogany-red guard petals. Especially suited for beds and borders. (Pkt. 10c) (¼ Oz. 35c).

**DOUBLE HARMONY HYBRIDS**—Small ball shaped blooms 1½ to 2 in. across, are freely borne on dwarf compact plants which grow about 15 inches tall. The flowers come in orange, yellow and mahogany as well as combinations of these colors. Ideal for edgings and bedding. (Pkt. 10c) (¼ Oz. 30c).

**BUTTERBALL**—The name fits this pretty edging variety of canary yellow. It grows in a mound 10 inches high covered with 1½ inch globular flowers. Early and continuous flowering. (Pkt. 25c).

**SPRY**—A miniature version of Harmony, growing in compact bushes producing freely; flowers less than half the size of regular Harmony. Grows 9 inches tall. (Pkt. 25c).

**COLOR MAGIC**—Brilliant colors of non-fading red to pure gold and many mottled combinations in red and gold. Uniform in growth, approximately 6 inches in height, full double flowers 2½ inches across. (Pkt. 25c).

**TALL DOUBLE AFRICAN MARIGOLDS**

**SUNSET GIANTS**—A large percentage of the plants will produce the biggest marigolds ever grown—5 inches and more across. Flowers vary in size, form and come in many shades of orange and yellow 3½ ft. and more tall. In bloom from midsummer until frost. (Pkt. 10c) (¼ Oz. 50c).

**LEMON BALL**—Sponge-like, canary flowers of wonderful substance and fine form. Long lasting. (Pkt. 10c) (¼ Oz. 30c).

**ORANGE BALL**—Bright orange, sponge-like, well-formed flowers on long stems. Very showy attractive color. (Pkt. 10c) (¼ Oz. 30c).

**TALL DOUBLE AFRICAN MIXED**—(Pkt. 10c) (¼ Oz. 25c).





PETUNIA, DWARF GIANTS OF CALIFORNIA

### MORNING GLORY

Popular rapid-growing climbers used for growing on trellises, arbors, walls and to cover unsightly places. Soak seed in water before sowing to aid germination, and plant seeds where they are to grow.

**COLORADO HEAVENLY BLUE**—The most popular of the morning glories, early blooming climber, literally covered with lovely sky blue flowers shading lighter toward the center. Flowers measure  $3\frac{1}{2}$  inches across and bloom until frost. (Pkt. 10c) ( $\frac{1}{4}$  Oz. 20c) (Oz. 50c).

**OLD FASHIONED MIXED**—Fast growing early free blooming climber, colors range from white through all tones of blue, red and purple, presenting a very gay appearance. (Pkt. 10c) (Oz. 40c).

### MOONFLOWER (*Ipomoea Noctiflora*)

Giant White. Huge white trumpet-shaped flowers measuring as much as 6 to 8 inches across, slightly fragrant. (Pkt. 10c) ( $\frac{1}{4}$  Oz. 30).

### NASTURTIUM (a)

Few garden annuals respond with as little care as the nasturtium.

**PERFEGRO DWARF MIXTURE**—For bedding, colors range from pale yellow to deep orange. (Pkt. 10c) (Oz. 30c) ( $\frac{1}{4}$  lb. \$1.00).

**PERFEGRO TALL MIXTURE**—For climbing on trellises or over stonework. (Pkt. 10c) (Oz. 30c) ( $\frac{1}{4}$  lb. \$1.00).

#### DWARF SEMI-DOUBLE VARIETIES

**GOLDEN GLEAM**—The fragrant golden yellow blossoms are attractive as cut flowers. You will be astonished at the wealth of blossoms the plants produce. (Pkt. 10c) (Oz. 45c) ( $\frac{1}{4}$  lb. \$1.25).

**SCARLET GLEAM**—A sister of Golden Gleam, its semi-double blossoms are similar in size and shape to those of the popular golden Nasturtium. Rich, dazzling scarlet, sweet scented. Fine for cutting. (Pkt. 10c) (Oz. 45c) ( $\frac{1}{4}$  lb. \$1.25).

**GLEAM HYBRIDS**—A mixture of all colors of the double Nasturtiums. (Pkt. 10c) (Oz. 45c) ( $\frac{1}{4}$  lb. \$1.25).

### NICOTIANA

**AFFINIS HYBRIDS (Flowering Tobacco)**—Very fragrant, petunia-like flowers, forming a beautiful five-pointed star in brilliant colors including many shades of rose, crimson and creamy white. Flowers are borne in clusters on bushy branching plants about  $2\frac{1}{2}$  ft. tall. (Pkt. 10c).

### PANSIES

**PERFEGRO GIANT MIXTURE**—A mixture of the best pansies we can obtain. Flowers  $2\frac{1}{2}$  inches across on stiff stems, with ruffled and fluted petals. Colors are rich and bright with many solid colors of a deep, velvety texture. (Pkt. 25c) ( $\frac{1}{2}$  Oz. \$1.00) (Oz. \$6.00).

**PERFEGRO FINE PANSY MIXTURE**—This is our own mixture, especially designed for showy beds. We very carefully made up this mixture from different colors of the finest pansies, many of them being the expensive large ruffled kinds. The mixture is sure to produce a bright and showy display. (Pkt. 10c).

### PETUNIAS (a)

No flower is better liked or more faithful than the Petunia, during the whole season they are covered with large, showy blossoms, which are always bright and fresh, in spite of heat and drought. The flowers are of an almost infinite variety of color and markings and quite as varied in form.

#### SINGLE BEDDING PETUNIAS

These are used extensively for mass plantings, growing about 12 inches tall.

**ROSY MORN**—Clear pink contrasted by a broad white throat. (1 kt. 10c) ( $\frac{1}{8}$  Oz. 40c) ( $\frac{1}{4}$  Oz. 75c).

**HOWARD'S STAR**—Crimson maroon with a clearly defined five-pointed star of bluish white. (1 kt. 10c) ( $\frac{1}{8}$  Oz. 40c) ( $\frac{1}{4}$  Oz. 75c).

**FIRE CHIEF**—All America Gold Medal Winner for 1950. An entirely new color in the petunia family. Velvety firecracker red with deeper toned centers. (1 kt. 25c).

**GENERAL DOBBS**—Rich crimson garnet. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c).

**CELESTIAL ROSE**—Deep rose pink on very compact dwarf plants. Postpaid (1 kt. 10c) ( $\frac{1}{8}$  Oz. 50c) ( $\frac{1}{4}$  Oz. 85c).

**SNOWBALL**—Pure satiny white. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c).

**BLUE BEE**—Violet blue. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c).

**FLAMING VELVET**—Luscious velvety blood red. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c) ( $\frac{1}{4}$  Oz. 75c).

**VIOLACEA**—Deep velvet. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c) ( $\frac{1}{4}$  Oz. 75c).

**DELUXE BEDDING MIXTURE**—(Pkt. 10c) ( $\frac{1}{8}$  Oz. 35c).

#### DWARF GIANTS OF CALIFORNIA

Flowers are three inches and more across, plants very bushy and compact. This strain of well-known ruffled petunias contains a wide range of colors and markings. Some of the blooms are so ruffled that they appear almost double.

**DELUXE OR RAMONA STRAIN**—Reselect Mixture. Magnificent large flowers in a wonderful range of colors. (Pkt. 25c).

#### DOUBLE LARGE FLOWERING PETUNIAS

##### Pan-American Strain

**ALLEGRO IMPROVED**—Large double fringed deep salmon flowers. Dwarf plants.

(Pkt. \$1.10) ( $\frac{1}{2}$  Trade Pkt. \$2.75) (Trade Pkt. \$4.50).

**SONATA**—Large, double pure white flowers.

Postpaid (Pkt. \$1.10) ( $\frac{1}{2}$  Trade Pkt. \$2.75) (Trade Pkt. \$4.50).

**GLORIOUS MIXTURE**—Contains all of the above colors. This formula mixture is first class in every respect.

Postpaid (Pkt. \$1.10) ( $\frac{1}{2}$  Trade Pkt. \$2.75) (Trade Pkt. \$4.50).

#### LARGE SINGLE FRINGED

Flowers 3 to 4 inches across

**CARMENCITA**—A true scarlet-orange, the dwarf plants are covered with fringed flowers.

Postpaid ( $\frac{1}{2}$  Trade Pkt. 85c) (Trade Pkt. \$1.50).

**ROSITA**—Creamy rose with nettled throat. Large heavily ruffled and fringed flowers on compact well branched plants. Very dwarf and uniform.

Postpaid ( $\frac{1}{2}$  Trade Pkt. 85c) (Trade Pkt. \$1.50).

#### NEW F-1 HYBRID VARIETIES

**BALLERINA**—Large, single fringed flowers of a soft glowing salmon. Plants dwarf and compact. Blooms  $3\frac{1}{2}$ -4 in. across, excellent for pots and an interesting variety for the garden border.

Postpaid (Pkt. 60c) ( $\frac{1}{2}$  Trade Pkt. \$1.35) (Trade Pkt. \$2.50).

**BOLERO**—Carmine rose pink flowers, well ruffled and fringed. Dwarf and compact large flowers.

Postpaid (Pkt. 60c) ( $\frac{1}{2}$  Trade Pkt. \$1.35) (Trade Pkt. \$2.50).

**COMANCHE**—Deep scarlet-red flowers measuring  $2\frac{1}{2}$  inches across freely produced on base branching plants 15 inches in height. Very compact in habit.

( $\frac{1}{2}$  Trade Pkt. \$1.00) (Trade Pkt. \$1.75).

**LA PALOMA**—Large well fringed flowers, 100% pure white with yellow throat.

Postpaid (Pkt. 60c) ( $\frac{1}{2}$  Trade Pkt. \$1.35) (Trade Pkt. \$2.50).

**TANGO**—Deep salmon outside of bloom, shading to scarlet salmon nearer throat, extremely free blooming.

Postpaid (Pkt. 60c) ( $\frac{1}{2}$  Trade Pkt. \$1.35) (Trade Pkt. \$2.50).

#### MEXICAN BURNING BUSH (a)

**SUMMER CYPRESS**—A rapid growing, highly ornamental annual forming perfect pyramids 2 to  $2\frac{1}{2}$  feet high, covered with feathery green branches, which in the fall turn to deep red. Makes fine summer hedge. Thin to 18 inches apart. (Pkt. 10c) ( $\frac{1}{2}$  Oz. 30c) (Oz. 50c).

#### MIGNONETTE (a)

The sweet yet delicate odor of the Mignonette has endeared itself to every true lover of flowers. Small flower spikes of a reddish tint, excellent for cutting, especially when used with other flowers, 1 ft. tall. (Pkt. 10c) ( $\frac{1}{4}$  Oz. 35c).



**PENSTEMON (p)**

**SENSATION IMPROVED**—The flowers are tubular, lobed and lipper, 1 inch long and  $\frac{3}{8}$  inch across of brilliant colors ranging from pink to purple on long flower spikes. Plant 2 ft. tall, perennial (Pkt. 10c) (1/16 Oz. 75c).

**PINKS (Dianthus Heddensis) (a)**

An entirely new tetraploid variety combining the large open flowers of *Dianthus Heddewigi* and the rugged growth and long stemmed habit of *Dianthus Chinensis*. Well formed flowers in large numbers on 16-inch stems, suitable for cutting.

**FINEST MIXED**—All the traditional *Dianthus* colors in this new variety. (Pkt. 10c).

**PHLOX**

**PHLOX DRUMMONDI**—A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 ft. high, thrive in any soil if given a sunny location and bloom the entire season. A beautiful mixture of colors from pale yellow to deep purple and soft pink to dark red. (1 kt. 10c) ( $\frac{1}{8}$  Oz. 50c).

**HARDY PERENNIAL PHLOX (Decussata)**—Tall massive trusses of flowers in a wide range of brilliant colors, produced throughout the summer. Plants require good soil and plenty of sun. Seed germinates slowly. (Pkt. 25c).

**POPPIES**

**ORIENTAL POPPY**—One of the finest and hardiest of all perennials. The flowers are large and showy, the petals satiny, the colors range from light orange to deep red. The plants require little care and will grow in very poor soil. (1 kt. 10) ( $\frac{1}{8}$  Oz. 50c).

**SHIRLEY POPPIES**—This is the most beautiful type of poppy grown, the foliage has a soft hairy covering and the petals are immense and have a beautiful satin-like texture, the flowers are of many colors, white, pink and various shades of red and scarlet. Mixed colors. (1 kt. 10c) ( $\frac{1}{8}$  Oz. 35c).

**ICELAND POPPIES**—Dwarf perennial poppy with fern like foliage. The flowers range in color from pale yellow to deep orange of crinkly satin, on long stems above low leaf-clumps. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 75c).

**PORTULACA (Moss Rose) (a)**

Brilliant hardy annual of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light sandy soil and sunny location. Flowers of brightest colors, height 6 inches.

**DOUBLE MIXED**—(Pkt. 10c) (1/16 Oz. 60c).

**SINGLE MIXED**—(Pkt. 10c) ( $\frac{1}{8}$  Oz. 60c).

**SALVIA OR SCARLET SAGE (a)**

**GLOBE OF FIRE**—A compact growing early flowering *Salvia*, 2 feet high, covered with long spikes of brilliant scarlet flowers that stand clear above the dense dark green foliage. (Pkt. 15c) ( $\frac{1}{8}$  Oz. \$1.00).

**SALPIGLOSIS (Painted Tongue) (a)**

Large, showy, trumpet-shaped flowers of velvety texture, the colors charmingly penciled, netted and veined with golden yellow, crimson and purple. In bloom from July until frost. From a low base of leaves rise slender wiry stalks about 24 inches high of brilliantly colored flowers. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c).

**SCABIOSA (Imperial Giants) (a)**

An old favorite, greatly improved in the size and color of flowers as well as length of stems making them one of the most popular of the easily grown annuals for the garden and one of the best for cutting. This new type has flowers composed entirely of broad, heavy wavy petals eliminating the pin cushion center entirely. Because of its complete doubleness the flowers are extremely large, colors range from pale pink to deep maroon. Mixed. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 45c).

**SCHIZANTHUS (Butterfly Flower) (a)**

Beautiful bushy plants with finely laciniated foliage and hundreds of butterfly-like blooms of many colors, prettily marked and blotched with contrasting colors. For beds, borders and pot culture, 1½ ft. tall. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 35c).

**SHASTA DAISY (p)**

This is a hardy perennial, bearing large white single blooms with handsome yellow centers. Flower 4 to 5 inches across, plants 18 inches tall, especially pleasing in bouquets blooming during June and July. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 50c).

**SNAPDRAGON (Antirrhinum) (a)**

**SUPERGIANTS (Rust Resistant)**—Fascinating flowers with their interesting form and glowing colors, very easy to grow and will bloom continuously until frost. Splendid for bedding. The plants grow bushy 24 inches tall.

**Copper Shades**—Bronze brown.

**Crimson**—Fiery crimson.

**Loveliness**—Soft pink.

**Snowflake**—White.

**Canary Bird**—Yellow.

Any one above (Pkt. 15c) ( $\frac{1}{8}$  Oz. 50c).

Mixed Colors (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c).

**STATICE (Everlasting) (a)**

Lasts for months when dried. Effective either along or with other everlasting.

**ART SHADES MIXED**—(Pkt. 10c) ( $\frac{1}{8}$  Oz. 25c) (Oz. 75c).

**LATIFOLIA**—Sea Lavender—Hardy Perennial. The cloud-like masses of flowers can be dried and used for winter decorations. Color, clear mauve. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 35c).

**STOCKS (a)**

**TEN WEEKS**—Plants 2 feet high, bear numerous large spikes of double, fragrant flowers of blood-red lilac, white, rose, scarlet, light and dark blue, creamy white and pink. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 35c).

**GIANT BISMARCK OR IMPERIAL**—One of the best stocks for outside planting; of pyramidal form, strong and robust, gives large double flowers. A splendid sort for cutting. Mixed colors. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c).

**SWEET WILLIAMS (biennial)**

Large, showy flower heads, composed of numerous good-sized individual blooms, similar to Pinks. Bloom during May and June, 1 to 1½ ft. high.

**SINGLE MIXED**—(Pkt. 10c) ( $\frac{1}{8}$  Oz. 30c) ( $\frac{1}{8}$  Oz. 50c).

**DOUBLE MIXED**—(Pkt. 10c) ( $\frac{1}{8}$  Oz. 40c) ( $\frac{1}{8}$  Oz. 70c).

**SUNFLOWER (a)**

**SUN GOLD**—This sunflower makes a brilliant sea of color as all the plants burst into bloom on the same day. If planted in May will flower early in August. Blooms are all doubles, pure deep yellow, 5 feet tall. (1 kt. 10c).

**THUNBERGIA (Black Eyed Susan)**

A rapidly growing little vine for hanging baskets and boxes. Very pretty flowers of orange, yellow and white with large black centers. (Pkt. 10c).

**VERBENA (a)**

Colorful, dwarf plants, ideal for edgings, ground cover, rock gardens and porch boxes. The flowers are borne in large trusses from midsummer until late fall. Of robust, spreading growth, 8 to 12 inches high, 2½ ft. and more across.

VERBENA



**BEAUTY OF OXFORD**—Rose pink.

**BLUE WITH WHITE EYE**—Deep blue with white eye.

**COCINEA**—Scarlet, small eye.

**ETNA**—Geranium red with creamy yellow eye.

**LAVENDER GLORY**—Lavender with creamy yellow eye.

**LUMINOSA**—Flame pink shading to salmon.

**MAMMOTH WHITE**—Pure white.

**VIOLACEA STELLATA**—Deep violet with white eye.

Each of above (Pkt. 10c) (3 Pkts. 25c).

**HYBRIDS**—Large flowering. A splendid mixture of richest colorings and immense blooms. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 75c).

**VIOLA (Tufted Pansy) (a)**

For rock gardens, beds or borders, these splendid plants are very popular. Violas bloom profusely from June until frost, their colors are clear and distinct. A splendid mixture of the best varieties. (Pkt. 25c).

**WALLFLOWER (p)**

Rich orange and yellow; fragrant, stock-like flowers for bedding; 1 ft. high. Bloom early in spring. (Pkt. 10c) ( $\frac{1}{8}$  Oz. 30c).



## SWEET PEAS

These fine late Spencer types are the most popular for summer blooming. They are huge size, delicately waved and scented and produce three or four flowers on each stem.



GIANT SUMMER FLOWERING SPENCERS

### SPENCER'S "BUTTERFLY" OR "ORCHID FLOWERED."

**BLUE BIRD**—Rich deep blue.

**CAPTAIN BLOOD**—Brilliant blood scarlet.

**DEBUTANTE**—Coral.

**ELSTREE**—Bright pink on cream ground.

**HIGHLANDER**—Pure lavender.

**JUMBO**—Deep cerise.

**KAMES**—Pure white.

**OTHELLO**—Deep maroon.

**SHIRLEY TEMPLE**—Clear rose-pink.

**TREASURE**—Deep rich mauve.

Any one above: (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00).

### SPECIAL COLLECTION OF BUTTERFLY OR ORCHID FLOWERING SWEET PEAS

Ten full sized packets, all separate colors. Postpaid, 75c (regular price \$1.00).

### SWEET PEAS IN MIXTURE

**PERFEGRO BLEND OF RESELECTED SPENCERS**—Made up from our complete list of named varieties. (Pkt. 10c) (Oz. 30c) (¼ lb. 80c) (lb. \$2.75).

**EXTRA EARLY FLOWERING SPENCERS**—All the best early flowering varieties. (Pkt. 10c) (Oz. 30c) (¼ lb. \$1.00).

**SPENCERS MIXED**—(Pkt. 10c) (Oz. 20c) (¼ lb. 65c) (lb. \$2.00).

## CUTHBERTSON SWEET PEAS

### Heat Resistant

Plants are quite vigorous and produce a heavy crop of large, long-stemmed blooms. Heat resistant and therefore especially adapted to localities where Sweet Peas have been more or less unsuccessful.

**BILLY**—Bright and lovely carmine-rose.

**COLINE**—A most attractive shade of scarlet.

**EVELYN**—Beautiful delicate tones of salmon pink and cream.

**FRANK G.**—An attractive rosy-lavender.

**HAZEL**—Light blue.

**JANET**—Pure white.

**KENNETH**—Oxblood crimson.

**LOIS**—Light rose pink on white.

**MARION**—Light creamy white.

**TOMMY**—Most pleasing clear lobelia-blue.

**ALL COLORS MIXED**—A mixture of the above colors. (Pkt. 10c) (Oz. 35c) (¼ lb. \$1.00) (Lb. \$3.00).

### SPECIAL COLLECTION OF CUTHBERTSON SWEET PEAS

Ten full sized packets, all separate colors. Postpaid 75c.

## ZINNIA

### GIANT DAHLIA-FLOWERED ZINNIAS

These are a grand giant-flowering strain of high quality. The plants are exceedingly vigorous, growing fully 3 feet high

**CANARY BIRD**—A delicate shade of primrose.

**CRIMSON MONARCH**—Rich crimson.

**DESERT GOLD**—Yellow turning to rich orange.

**DREAM**—Unusual shade of deep lavender.

**EXQUISITE**—Light rose with dark rose center.

**ILLUMINATION**—Deep rose.

**ORIOLE**—Orange and gold bi-color.

**POLAR BEAR**—Very large white.

**PURPLE PRINCE**—Deep purple.

**SCARLET FLAME**—Bright scarlet.

**WILL ROGERS**—Dark scarlet.

Any one above—(Pkt. 10c) (¼ Oz. 30c) (¼ Oz. 50c) (Oz. \$1.50).

**DAHLIA FLOWERED MIXTURE**—A mixture of the above colors. (Pkt. 10c) (¼ oz. 30c) (¼ Oz. 55c) (Oz. \$1.00).



ZINNIA, SCABIOSA FLOWERED

### SPECIAL COLLECTION OF GIANT DAHLIA-FLOWERED ZINNIAS

Six full-size packets of the separate colors listed on this page, value 60c. Your choice for 45c.

### LILLIPUT ZINNIAS

**DOUBLE POMPON OR LILLIPUT**—So called on account of its dwarf nature. The plant is 12 to 15 inches high. The flowers are very beautiful little things about 1½ inches in diameter and very double.

**MIXED COLORS**—All colors in a splendid mixture. (Pkt. 10c) (¼ Oz. 35c).

### SPECIAL VARIETIES

**MEXICAN MINIATURES**—Somewhat like French Marigolds with flowers of yellow, orange, mahogany—frequently variegated. Flowers double and single. Good for edging and long lasting bouquets. (Pkt. 10c) (¼ Oz. 35c).

**CALIFORNIA GIANTS**—Enormous double flowers, 6 to 8 inches across, with very long stems. Centers very small and most of the flowers carrying a two-tone effect shading to a darker color at the center of the flower. (Pkt. 10c) (¼ Oz. 35c) (Oz. \$1.00).

**FANTASY**—It is of the curled and crested type, with blooms of medium size having shaggy ray-like petals, giving it a delicate and refined appearance. Color range includes reds, yellows, orange and pastel pinks and creams. Plants are 2 to 2½ feet tall, free-flowering. (Pkt. 10c) (¼ Oz. 35c).

**SCABIOSA FLOWERED**—Mixed colors. A new form. On a single corona of outside petals stands a semi-globular crown with a large number of small florets giving a most interesting effect, similar in form to the flowers of the Scabiosa. (Pkt. 10c) (¼ Oz. 35c).



# FLOWERING AND ORNAMENTAL SHRUBS

Greatly in demand for specimen use on lawns, for hedges and for making permanent background effects. Some are valuable as cut-flowers and others for their ornamental foliage. Every home-owner has room for selected shrubs which grow in beauty and usefulness from year to year with the least possible

damage than any other plants.

Figures in parenthesis are the general height at maturity.

All shrubs postpaid. No plants or shrubs sent C.O.D.

**PINK DAWN**—The flower is pink throughout and produced in great abundance throughout the summer, the flower sprays are 2 to 3 feet in length. (Each \$1.00).

**ROYAL RED (Pat. No. 506)**—Long flower spikes of rich dark royal purple. (Each \$1.25).

**WHITE BOUQUET (Pat. No. 536)**—A new white Buddleia carrying 8 inch spikes of fully rounded-out blooms. Splendid for cut flower purposes. (Each \$1.25).

## ALMOND

**PRUNUS GLANDULOSA**—Double Flowering—(4 to 5 ft.). The blossoms are double like roses, set closely on the twigs and appear before the leaves in the early spring. Pink. (Each \$1.40) (3 for \$3.75).

## ALTHEA

**HIBISCUS SYRIACUS**—Rose of Sharon—(10 to 12 ft.). The Altheas are fine, free-growing flowering shrubs of very easy cultivation. Desirable on account of flowering in August and September, when nearly every other shrub or tree is out of bloom. Perfectly hardy and can be had in various colors if desired. We can supply RED, PINK, WHITE or PURPLE. (Each \$1.00) (3 for \$2.75).

## BARBERRY

The Barberries are low growing shrubs especially good for front or shrubby borders and foundation planting.

**BERBERIS THUMBERGI**—Japanese—(4 to 5 feet). Has small light green leaves, which turn to rich colors in autumn, and its wealth of scarlet berries make it very attractive. (Each \$1.00) (3 for \$2.75).

**ATROPURPUREA**—Red Leaved—(3 to 6 ft.). Has bronzy-red foliage at all seasons; in mid-summer or fall turning a brilliant red. (Each \$1.25) (3 for \$3.50).

## BUTTERFLY BUSH

One of the best of the late summer and fall blooming shrubs. Dies back to the roots each winter, but grows to 4 to 5 feet each year. From July until frost are covered with a wealth of flowers.

**CHARMING**—Long sprays covered with lavender-pink blooms, fully rounded. (Each \$1.00).

**DUBONNET**—A new dark wine, dubonnet colored buddleia with firm large spikes that do not sunburn. (Each \$1.00).

**EMPIRE BLUE**—(Pat. 557)—The color is an Aster-blue with a delicate lilac tone, the whole effect being an exquisite shade of blue. (Each \$1.25).

## DOGWOOD

**CORNUS**—Alba Siberica (Coral Dogwood)—(8 to 12 ft.). Has clusters of fine white flowers, succeeded by a fall crop of ornamental berries; stem and branches blood red. (Each \$1.00) (3 for \$2.75).

**STOLONIFERA LUTEA**—Goldentwig—(8 to 10 ft.). A handsome shrub with beautiful distinct yellow bark. Splendid for winter effect. (Each \$1.00) (3 for \$2.75).

## FLOWERING CRABS

**BECHTEL'S DOUBLE FLOWERING**—A low, bushy tree, the most beautiful of all the fine varieties of Flowering Crabs. At a distance the tree seems to be covered with dainty little roses of a delicate pink color. Blooms when quite young. The flowers are exceedingly fragrant. 2 to 3-foot tree. (Each \$2.50).

**HOPA RED FLOWERING CRAB**—A beautiful upright growing tree with attractive foliage. Entirely covered with rose colored flowers in April. Fruit red inside and out, hanging on until late autumn. Very hardy and free from disease. (Each \$2.50).

## FORSYTHIA

Forsythias are among the showiest spring-blooming shrubs. They are not particular as to soil.

**FORTUNEI**—(10 to 12 feet). Strong, erect habit; bright golden-yellow flowers in early spring. (Each \$1.00) (3 for \$2.75).

## HANSEN'S BUSH CHERRY

The Bush Cherry combines two useful qualities, a beautiful ornamental shrub that produces delicious, wholesome fruit. In early spring is a mass of snow-white flowers followed by plum-shaped sweet cherries. Foliage is silvery green turning to rich red and gold in the fall. (Each \$1.00) (3 for \$2.75).

AVAILABLE IN THE SPRING ONLY



FLOWERING DOGWOOD



BECHTEL'S FLOWERING CRAB



FLOWERING ALMOND



## FLOWERING AND ORNAMENTAL SHRUBS

### HONEYSUCKLE

**LONICERA**—*Tatarica Rosea*—(Pink Tatarian)—(8 to 10 ft.). A hardy, vigorous grower. With pink flowers in April or May. Red fruit. (Each \$1.00) (3 for \$2.75).

**TATARICA RUBRA** (Red Tatarian)—(6 to 8 ft.). Very hardy and upright with rosy-pink flowers in April. Bright red fruit. (Each \$1.00) (3 for \$2.75).



HYDRANGEA

### HYDRANGEA

**ARBORESCENS GRANDIFLORA**—Snowball—(3 to 6 feet). Hardy shrub with snow-white blossoms of largest size from early June until late July. Thrives in shady places. (Each \$1.25) (3 for \$3.50).

**PANICULTA GRANDIFLORA**—Peegee—(8 to 10 feet). A very hardy shrub with large trusses of showy double white flowers, blending into pink and bronze shades in autumn. Plant in shade. (Each \$1.25) (3 for \$3.50).

### JAPANESE QUINCE

**CYDONIA JAPONICA**—Flowering Quince—(5 to 6 feet.)—Very early in spring this fine old shrub is completely covered with dazzling scarlet flowers; followed by small, quince-shaped fruits, which are quite fragrant. Growth bushy with protecting thorns. (Each \$1.25) (3 for \$3.50).

### LILAC (*Syringa*)

Probably one of the most popular ornamental shrubs. They thrive in fertile rather moist soils.

**CHINESE, ROTHOMAGENSIS**—(8 to 10 ft.). An Improved Persian type, upright grower, with dark reddish purple flowers. One of the best for general planting on account of its free blooming qualities and hardiness. (Each \$1.25) (3 for \$3.50).

**VULGARIS OR COMMON**—(12 to 15 feet). Hardy popular shrub that blooms freely. Single flowers in large panicles during April and May.

**PURPLE**—(Each \$1.00) (3 for \$2.75).

### FRENCH HYBRID LILACS

Larger flowers, improved form of bush and more penetrating fragrance, with less tendency to sucker, feature these new type French Hybrids.

**CLAS. JOLLY**—Double flowers of reddish purple. (Each \$1.50).

**LUDWIG SPAETH**—Single, very dark, shading from purple to maroon red, one of the darkest shades grown. (Each \$1.50).

**MME. LEMOINE**—Double pure white. (Each \$1.50).

**MRS. W. E. MARSHALL**—Single flowers of reddish purple. (Each \$1.50).

**PRES. GREVY**—Double flowers of reddish purple. (Each \$1.50).

### MOCK ORANGE

**PHILADELPHUS**—*Coronarius*—Sweet *Syringa*—(8 to 10 feet). A well-known shrub with pure white, sweetly scented flowers, blooming in May. (Each \$1.25) (3 for \$3.50).

**VIRGINAL**—(7 to 8 feet). Loaded down with beautiful fragrant semi-double flowers over a long season, beginning in May (Each \$1.25) (3 for \$3.50).

**BOUQUET BLANC**—(4 to 5 ft.). Has close set branches of fragrant double white flowers with rich green foliage, blooms in late May and early June. (Each \$1.25) (3 for \$3.50).

AVAILABLE IN THE SPRING ONLY

### SNOWBALL

**VIBURNUM**—*Opulus Sterilis*—Common Snowball—(10 to 12 feet). A favorite shrub, with globular clusters of white flowers the latter part of May. (Each \$1.25) (3 for \$3.50). Postpaid.

### SPIREA

**ARGUTA** (Snowgarland)—(4 to 5 feet). A hardy spirea blooming a week to 10 days earlier than the Van Houttei variety. When in bloom it is covered with pure white flowers; foliage fine and feathery. (Each \$1.25) (3 for \$3.50).

**PRUNIFOLIA** (True Bridal Wreath)—A hardy shrub with perfectly formed double white flowers along the stems. Blooms about a week later than Van Houttei. (Each \$1.25) (3 for \$3.50).

**ANTHONY WATERER**—(3 to 4 feet). Low, compact growing shrub, covered in July with flat heads of rosy crimson flowers. If cut they will bloom until frost. Makes a nice hedge. (Each \$1.25) (3 for \$3.50).

**BILLARDI**—Billiard Spirea—(5 to 6 feet). Has dense spikes of rose-pink flowers that crown sparsely twigged erect branches. For shrubby groups, natural plantings and moist places. (Each \$1.25) (3 for \$3.50).

**FROEBEL**—(4 feet). Vigorous and spreading grower with bright pink flowers in May and June. Has purplish tips in the spring and beautiful autumn colors. (Each \$1.25) (3 for \$3.50). Postpaid.

**VAN HOUTTE**—Bridal Wreath—(5 to 6 feet). Well known, popular shrub with graceful habit of growth. Pure white flowers in April.

2 to 3-foot shrubs: (Each \$1.00) (3 for \$2.75).

3 to 4-foot shrubs: (Each \$1.25) (3 for \$3.50).

### SUMAC

**RHUS TYPHINA LACINATA**—Stag Horn Sumac—(10 to 12 feet). One of the best species for mass or other planting on account of its deeply cut, beautiful fern-like leaves. Its flowers are borne during June and July in dense, terminal panicles, followed by impressive dark red fruits. (Each \$1.00) (3 for \$2.75).

### TAMARIX

**HISPIDA**—(15 to 20 feet). Strong, slender, tall-growing, irregular shrubs, with feathery foliage and small, delicate flowers borne profusely on gracefully bending branches. These pink flowers are very attractive during May. (Each \$1.00) (3 for \$2.75).

### WEIGELAS

Coarse, thrifty shrubs for medium and back rows. Their delightful bloom period ranging from May into July. The flowers are stemless bells strung along the arching canes in clustered profusion.

**EVA RATHKE**—(4 to 5 feet). The most distinct and one of the most attractive varieties; flowers deep carmine red. (Each \$1.25) (3 for \$3.50).

### PLANTS FOR HEDGES AND SCREENS

For a nice ornamental hedge plant 12 to 18 inches apart. For a real pretty effect plant in double row, 10 inches apart and alternate the plants. To make a close hedge, cut back the plants the first and second years in order to start many shoots.

**AMOR RIVER PRIVET**—Foliage glossy green and almost evergreen; plants of dense upright habit, very hardy; useful in shaded places. Also suitable for background against foundation, walls and groups on the lawn. (25 to bundle \$7.50) (100 for \$25.00) f. o. b. Denver.

**JAPANESE BARBERRY**—For a low hedge this is the ideal plant. The thorny branches grow so dense as to make an almost impenetrable hedge. Used extensively for bordering lawns and dividing properties. (25 to bundle \$6.00) (100 for \$22.50) f. o. b. Denver.

### HEDGING SPIRAEA

**SPIREA VANHOUTTE**—Beautiful in or out of bloom, and the medium tall, broad, compact screen it makes is protective as well as ornamental. It is always hardy, growing anywhere and will do well in partial shade. Even when trimmed and kept low, it is a splendid hedge, dense to the ground. 18 to 24-inch shrubs. (25 to bundle \$5.50) (100 for \$20.00) f. o. b. Denver.



## HARDY CLIMBING VINES

**AMPELOPSIS VEITCHI**—Boston Ivy—This is one of the finest hardy climbers we have for covering walls, as it clings firmly to the smoothest surface, covering closely with overlapping foliage. The color is a fresh deep green in summer, changing to the brightest shades of crimson and yellow in autumn. (Each 90c) (3 for \$2.50). Postpaid.

**CLEMATIS JACKMANI** (Large Flowered Variety)—It is a strong grower, and produces a mass of intense violet-purple flowers from July on. They delight in rich soil and sun. (Each \$1.50) (3 for \$4.00). Postpaid.

**HONEYSUCKLE (Gold Flame)**—Blooming from early summer until killing frost. Showy tubular flowers, with recurving petals, flame red outside, bright yellow inside. Very fragrant and hardy. (Each \$1.00) (3 for \$2.75). Postpaid.

**HECKROTTI**—This is truly a wonderful vine, grows to full blooming size the first year. Blooms continually from early summer until fall. The red trumpets are lined with orange and are very showy. (Each \$1.00) (3 for \$2.75). Postpaid.

**JAPONICA HALLEANA**—Rapid growing vine with beautiful foliage. Delightfully fragrant, creamy white flowers. (Each 90c) (3 for \$2.50). Postpaid.

**SILVER LACE VINE** (*Polygonum Auberti*)—A hardy quick growing vine, doing well in almost any situation. Covered in late summer and fall with mass of creamy-white sprays. (Each \$1.25) (3 for \$3.50). Postpaid.

**WISTERIA (American Purple)**—A tall, vigorous, rapid climber. Has lilac-purple, pea-shaped flowers in June. (Each 90c) (3 for \$2.50). Postpaid.

**TRUMPET VINE** (*Bignonia Radicans*)—Very hardy and rapid grower. Used for covering unsightly places, stumps, or wherever a showy flowering vine is desired. Produces clusters of trumpet-shaped, orange-scarlet flowers about 3 inches long. (Each 90c) (3 for \$2.50). Postpaid.



SILVERLACE VINE

## TALL BEARDED IRIS



BEARDED IRIS EROS

Bearded irises are the best known of the garden sorts. They are plants of varying stature and size, but all characterized by stout rhizomes, more or less evergreen foliage and brilliant flowers in many shades, each flower bearing on the falls a linear beard of various colors, though commonly yellow. Are of easy culture, prefer shallow planting in sunny well drained locations in a deep, well worked soil.

## BLUE VARIETIES

**WEST POINT**—38 inch. A two-tone flower with standards of bright indigo blue and falls of intense indigo blue.

**GREAT LAKES**—48 inch. A clear medium blue of immense size.

Price (Each 45c) (3 for \$1.25). Postpaid.

## PINK VARIETIES

**ANGELUS**—36 inch. Finest orchid pink, falls mauve.

**BEVERLY**—Deep pink with brown edge.

**COPPER PINK**—38 inch. Soft rose, flushed sparkling copper.

**COPPER ROSE**—40 inch. Deep pink, with shadings of copper throughout the petals.

**EROS**—42 inch. Very tall, possibly the nearest and best salmon-pink yet introduced. The throat is lit with gold.

**MARISHA**—36 inch. Large frilled flowers in a blend of pink and yellow with golden hafts.

**SALMON SPLENDOR**—30 inch. A prolific flowering salmon with an undertone of pink.

**WAR EAGLE**—38 inch. Daphne pink with carmine falls. Fragrant and a heavy bloomer.

Price (Each 45c) (3 for \$1.25). Postpaid.

## RED VARIETIES

**GALLANT LEADER**—38 inch. Huge flowers of rose red and maroon.

**FLORA CAMPBELL**—38 inch. Glowing tones of red, brown and peach red.

**JOYCETTE**—40 inch. Very dark maroon red.

**OSCAR**—38 inch. A glowing dark brown red.

**RED GLEAM**—36 inch. One of the closest approaches to true red, brilliant and velvety with a chestnut cast.

**ROSY WINGS**—Intriguing iris of rosy red and crimson brown.

**THE RED BRICK**—36 inch. Large flowers of brick red with good form and substance.

Price (Each 45c) (3 for \$1.25). Postpaid.

## WHITE VARIETIES

**FRANCONIA**—40 inch. A pure white self that is very fine, large flowers.

**LADY OF SHALLOT**—34 inch. White ground with standards heavily flushed rose-pink. Falls edged with pink dots.

**NATIONAL WHITE**—48 inch. Pure white with extra broad falls.

**WHITE CITY**—42 inch. An immense silky flower of blue white with a deeper blue finish at the heart.

Price (Each 45c) (3 for \$1.25). Postpaid.

## BROWN VARIETIES

**JEAN CAYEUX**—36 inch. Havana and coffee brown.

**NYLON**—36 inch. Copper tan self with heavy gold beard.

Price (Each 45c) (3 for \$1.25). Postpaid.

## PURPLE VARIETIES

**BLACK DOUGLAS**—36 inch. Rich, silky ebony blue black.

**BLACK WINGS**—40 inch. Lustrous deep purple, almost black.

**GRAND CANYON**—40 inch. An odd blend of rather deep tones of plum and copper with gold. Delicately ruffled large flowers.

**INDIAN HILLS**—38 inch. Lustrous rich velvety purple.

**LILIMANI**—36 inch. An unusual deep violet.

**VAGABOND PRINCE**—36 inch. Large glossy flowers of black purple.

Price (Each 45c) (3 for \$1.25). Postpaid.

## YELLOW VARIETIES

**DUSTY BOY**—36 inch. Standards are coppery orange with brownish orange falls.

**GILT EDGE**—38 inch. A clear lemon-yellow bordered with empre white.

**MOONLIGHT SEA**—36 inch. Clear lemon ice color with just a hint to green. Very ruffled.

**OLA KALA**—38 inch. A lightly ruffled flower of the deepest orange-yellow.

**THE SENTINEL**—34 inch. A brilliant burnished copper orange.

**LOUIS WILLET**—38 inch. Gold standards with raspberry falls.

Price (Each 45c) (3 for \$1.25). Postpaid.

## TIME OF SHIPMENT

Shipment of Bearded Iris will begin July 1, 1954, and end October 1, 1954

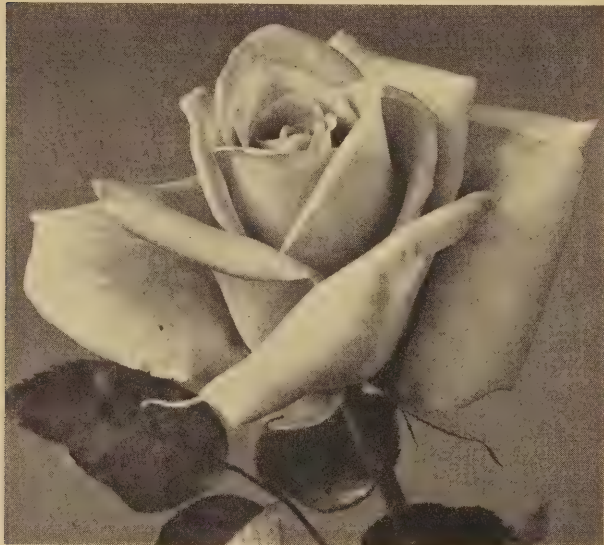


# HARDY EVERBLOOMING ROSES

Roses are ready for delivery April 1

Our Bushes Are A II Hardy Two-Year-Old, Field Grown Stock

The following list is composed of new and sensational roses, all of considerable merit. Also more established and better known varieties. No Plants Sent C.O.D.



HELEN TRAUBEL (Pat. 1028)

**BETTER TIMES**—Large double flowers of brilliant cerise. (Each \$1.25).

**CHARLOTTE ARMSTRONG** (Pat. 455)—Unique color with long, slender blood-red buds opening to brilliantly colored open flowers of spectrum red. (Each \$2.25).

**CHRISTOPHER STONE**—Lovely, long-pointed buds open to vivid scarlet blooms overlaid with velvety crimson. (Each \$1.25).

**CHRYSLER IMPERIAL** (Pat. 1167)—AARS 1953. Rich crimson red, very fragrant flowers  $4\frac{1}{2}$  to 5 inches across when fully open. Long stems, heavy dark green foliage. (Each \$2.75).

**CONDESA DE SASTAGO**—A marvelous colored rose with large cupped flowers of deep golden yellow on outside of petal, copper rose and scarlet on the interior. (Each \$1.25).

**COUNTESS VANDAL**—Long pointed bud, colors pink, copper, gold and salmon, a truly beautiful rose. (Each \$1.25).

**CRIMSON GLORY**—Color deep crimson, a "glory" rose, glorious in its perfect form, large size and fragrance. (Each \$1.25).

**DAINTY BESS**—The most popular single rose, the vigorous plants bear large clusters of waxy petaled rose-pink blooms with wine red stamens. (Each \$1.25).

**DUQUESA DE PENERANDA**—The huge pointed buds are double orange apricot with deep coppery tones, sweetly perfumed and long lasting. (Each \$1.25).

**E. G. HILL**—Buds ideal, long and pointed on good stout stems, open into a full double bloom of crimson scarlet which retain their color until petals fall. (Each \$1.25).

**ECLIPSE** (Pat. 172)—Long streamlined bud, rich golden yellow without shading. (Each \$1.75).

**FORTY-NINER** (Pat. 972)—The outside of the petals are dazzling chrome-yellow, with the inside face of the petals a vivid orient-red. (Each \$2.50).

**GIRONA**—Here is one of the most fragrant roses in existence and one of the best of all Garden Roses for cutting. Very strong growing with good foliage and superb blooms of a beautiful red and yellow combination. (Each \$1.25).

**GRUSS AN TEPLITZ**—Intensely fragrant, dark velvety-scarlet. A continuous bloomer, vigorous and hardy. (Each \$1.25).

**HELEN TRAUBEL** (Pat. 1028)—Long pointed buds and flowers of deep pink to apricot base. Free blooming, vigorous. (Each \$2.75).

**HINRICH GAEDE**—Bright vermilion toned gold, good form, very fragrant. (Each \$1.25).

**JOANNA HILL**—Bud long pointed, flowers fragrant, deep creamy yellow shaded bronzy pink in center. (Each \$1.25).

**K. A. VICTORIA**—In bud form the color is cream white but the open flower is snow white with a tint of lemon at the center. (Each \$1.25).

**MME. JOSEPH PERRAUD**—High centered perfectly formed buds and double flowers shading from shell-pink at the edges to buff and orange in the center. (Each \$1.25).

**MME. JULES BOUCHE**—Fragrant white blooms, center shaded blush, very free blooming. (Each \$1.25).

**MCGREDY'S YELLOW**—Bright buttercup yellow, flowers large, very fragrant with dark green glossy leaves. (Each \$1.25).

**MCGREDY'S IVORY**—Long pointed ivory buds open carefully to a perfectly formed flower of creamy white. (Each \$1.25).

**MRS. E. P. THOM**—A deep lemon yellow rose, with perfect shaped buds, very fragrant, and a heavy, continuous bloomer. (Each \$1.25).

**MRS. SAM MCGREDY**—Rich coppery orange. (Each \$1.25).

**MIRANDY** (Pat. 632)—A strong free branching plant producing large, long pointed ovoid buds of rich dark red with black shadings, opening to Chrysanthemum red. The flower of 50 petals displays new beauties of form and is long lasting. Marvelously fragrant. (Each \$2.25).

**MOJAVE** (Pat. 1176)—Completely new color combination of blended salmon, apricot and orange. (Each \$3.00).

**NIGHT**—One of the darkest of all roses, deep crimson shaded black and maroon. Delightfully spicy clove and cinnamon fragrance. (Each \$1.25).

**NOCTURNE** (Pat. 713)—Bright cardinal red with dark shadings of crimson. (Each \$2.00).

**NEW YORKER** (Pat. 823)—Brilliant scarlet red with rose red undertones, overlaid with rich velvety sheen. (Each \$2.00).

**PEACE** (Pat. 591)—The large ovoid buds are yellow with watermelon pink picotéd edging, the full open flower is cream yellow with a delicate over-all flush of pink. The blooms are 5 to 6 inches across, very double with 30 to 60 petals, its fragrance is mild and pleasant. Abundant bloomer. (Each \$2.50).

**POINSETTIA**—Glowing poinsettia red, buds long pointed; large double open flowers, vigorous prolific bloomer, very fragrant. (Each \$1.25).

**PRES. HOOVER**—The semi-double blooms are a combination of cerise-pink flame, scarlet and yellow. (Each \$1.25).

**PICTURE**—Velvety clear rose pink with undertones of salmon; very double flowers. (Each \$1.25).

**PINK DAWN**—Flowers are true pink touched with salmon rose at the base. (Each \$1.25).

**RED TALISMAN**—Long pointed buds of deep cerise red, with yellow base. (Each \$1.25).

**REX ANDERSON** (Pat. 335)—An outstanding exhibition rose, perfectly formed, slow open, color delicate lovely ivory white. (Each \$1.75).

**ROSE OF FREEDOM** (Pat. 791)—Rich cardinal-red full double blooms, very fragrant. (Each \$2.00).

**ROSE MARIE**—A delightful pure rose pink, the buds are long and pointed, petals large and well rounded. (Each \$1.25).

**SUTTER'S GOLD** (Pat. 885)—Intensely fragrant flowers of velvety radiant yellow with copper veins. All America Rose Selection for 1950. (Each \$2.25).

**SHOWGIRL** (Pat. 646)—Deep pink flowers, bud long pointed, opening to large very fragrant blossoms. (Each \$1.75).

AVAILABLE IN SPRING ONLY





ECLIPSE (Pat. 172)

**TALLYHO (Pat. 828)**—A unique and unusually beautiful shade of pink inside the petals, crimson to cardinal red outside. Although it is a bi-color the contrast is not great but is rather a delicate and completely lovely blending of warm, widely loved colors. (Each \$2.00).

**TALISMAN**—A combination of shadings of gold, apricot yellow and deep pink, and as the petals unfold they become bright apricot with the reverse of the petals changing to deep rose pink. (Each \$1.25).

**TEXAS CENTENNIAL (Pat. 162)**—Brick red with lighter center. Vigorous, upright grower. (Each \$1.50).

**VICTORIA HARRINGTON**—Bright scarlet, fading little in heat. Excellent bud and flower. (Each \$1.25).

**YELLOW SASTAGO**—Very double flowers of Golden yellow. (Each \$1.25).

### RUGOSA OR SHRUB ROSE

We group under this heading various types and species of Roses that are of strong habit of growth and will be found especially adapted to plant in mixed Shrubbery Borders, or in separate beds or groupings or as individual specimens in the garden.

**AUSTRIAN COPPER**—Single, brilliant orange-red flowers inside and yellow on the reverse of the petals. (Each \$1.40).

**F. J. GROOTENDORST**—Small flowers of deep crimson-red borne in large clusters throughout the season. (Each \$1.40).

## BABY ROSES

### Dwarf Polyantha and Floribunda Type

**CARROUSEL (Pat. 1066)**—One of the best new red roses. The flowers are large, dark red and non-fading. (Each \$2.00).

**EUTIN**—Large clusters of very double deep red flowers on a vigorous mildew resistant bush. (Each \$1.25).

**FASHION (Pat. 789)**—Fascinating new Floribunda of coral pink overlaid with gold, oriental red buds open into 3½-inch blooms of clear coral. Bushy 3-ft. plants produce large clusters of delightfully fragrant flowers all season. (Each \$2.00).

**FLORADORA**—One of the most scintillating red Floribunda roses that we have ever seen. It is that sparkling shade which immediately stops the eye. Grows to 30 inches tall and is true Floribunda style. Buds are perfect and hold well on the plant after cutting, bloom continually from June until freezing fall weather. Petals have wavy rippling edges. (Each \$1.25).

**GOLDILOCKS (Pat. 672)**—Deep yellow buds and flowers, borne in clusters. Plants are vigorous, very bushy, and in continuous bloom. (Each \$1.50).

**IMPROVED LAFAYETTE**—This is an excellent polyantha with large bright cherry red flowers. (Each \$1.25).

**IRENE OF DENMARK (Pat. 889)**—Perfect sweetheart buds of purest white, opening into handsome full blooms. Bushy growth. (Each \$1.50).

**LILIBET (P.A.F.)**—The 1954 All-America selection in this class. Produces radiant clusters of single flowers of exquisite pink tones. (Each \$2.50).

**MA PERKINS (New 1953 A.A.R.S. Winner)**—This very free blooming Floribunda rose with its sweetly pungent fragrance. A suffusion of yellow is present in all the early stages of bloom, with aging comes a soft coral shell pink with shades of red in outer petals. (Each \$2.25).

**PINOCCHIO (Pat. 484)**—The plants are literally covered from spring to frost with great quantities of beautiful salmon pink flowers flushed with gold. Buds are perfect in shape, and make beautiful corsages. Plant is compact and upright. (Each \$1.50).

**RED PINOCCHIO (Pat. 812)**—A new red Floribunda rose with its miniature perfectly shaped Hybrid Tea flowers of deep satiny carmine borne in clusters. (Each \$1.50).

**WHITE PINOCCHIO (Pat. 1010)**—Outstanding floribunda, semi-double flowers of pure white. A lovely addition to the Pinocchio family. (Each \$1.50).

**RED RIPPLES**—Flowers semi-double, open slightly fragrant, oxblood-red to carmine. (Each \$1.25).

**VOGUE (Pat. 926)**—New Floribunda with brilliantly glowing cherry coral color. Individual flowers 3 to 4 inches in diameter, are Hybrid Tea shaped with perfect high centered form. Rich spicy fragrance. All American Selection for 1952. (Each \$2.00).

**YELLOW POULSENS**—A Floribunda growing about 3 ft. high. The great masses of big, lightly ruffled blooms are a clear rich clean yellow, from bud to fully open blooms. (Each \$1.25).

### HARDY CLIMBING AND RAMBLER ROSES

**CL. AMERICAN BEAUTY**—Deep rose-pink blooms of large size, borne in groups of three and four blossoms on long stems. Blooms in spring only. A vigorous grower. (Each \$1.40).

**BLAZE**—Everblooming scarlet-red climbing rose, a very vigorous grower and seldom out of bloom. (Each \$1.40).

**CL. CONDESA DE SASTAGO**—Full double two-tone flowers of deep oriental-red and yellow. (Each \$1.40).

**CL. COUNTESS VANDAL**—Buds orange copper, opening to large double, high center flowers of brilliant pink and salmon. (Each \$1.40).

**DOROTHY PERKINS**—Full, fragrant rose pink flowers, borne in clusters with dark green foliage. (Each \$1.40).

**CL. DR. J. H. NICOLAS (Pat. 457)**—Plant grows about 8 ft. in height, produces large double flowers of warm rose pink, very fragrant. (Each \$2.00).

**CL. ETOILE DE HOLLANDE**—(Everblooming)—The same beautiful dark red rose as in the bush form that has been a garden favorite for so long. (Each \$1.40).

**CL. MRS. E. P. THOM**—(Everblooming)—Considered one of the finest yellow roses grown, profuse blooming, strong climber and flowers are excellent for cutting. (Each \$1.40).

**CL. NEW DAWN**—(Everblooming)—Apple blossom pink flowers with old-rose fragrance. (Each \$1.40).

**CL. PRES. HOOVER**—Large flowers of creamy yellow, tinted with flame pink. (Each \$1.40).

**CL. ROSE MARIE**—Double cupped rose pink flowers. (Each \$1.40).

**PAUL'S SCARLET CLIMBER**—Vivid scarlet blooms borne in clusters. Blooms in spring only. (Each \$1.40).

**CL. WHITE DAWN**—Medium sized double fragrant flowers of pure white. (Each \$1.40).

**CAUTION**—Unpack plants immediately upon arrival and place in container of water over night. Not longer. Plant out immediately if possible. Rose Bushes should be cut back to not more than six or eight inches above the ground. Do not use any fertilizer at time of planting. See planting instructions.

ALL ITEMS ON THIS PAGE ARE POSTPAID, AVAILABLE IN SPRING ONLY





DECORATIVE DAHLIA

## DAHLIAS

Dahlias can be grown in any good soil but they will succeed best in an open sunny location. Plant when ground is warm and all danger of frost is past. Plant the bulbs 3 inches deep, laying the tuber on its side. Keep soil loose and mellow by frequent hoeing, drawing the soil to a slight hillock around the plants. 3 feet by 3 feet is about the proper distance to plant apart. After frost has killed the top, dig the tubers carefully; remove the soil from the roots and store in box or barrel secure from frost. As a precaution it is well to cover the tubers, so stored, with sand, leaves or moss. All clumps should be divided into several pieces before being reset the following spring.

The "Decorative" types are characterized by gracefully formed flowers of large size with broad petals, being intermediate in form between the compact and the "Cactus" varieties, which have loosely formed blossoms with long twisted petals.

**AVALON**—Clear canary yellow. (Each 50c).

**BALLET ROUGE (Informal Cactus)**—Immense full flowers of rich red, with blooms of 10 inches across. (Each 75c).

**BLUE RIVER**—Medium lavender with an overall silver sheen and with silver reverse. Large flowers, 10 inches across. Very showy. (Each 75c).

**CLARA CARDER**—Beautiful shade of clear cyclamen pink. (Each 75c).

**COMMANDO**—Giant tyrian purple, sturdy medium grower with large 10 inch flowers. (Each 75c).

**CRIMSON KING**—One of the very best exhibition reds. Large flowers of a pleasing crimson red. (Each 50c).

**D'ARCY SAINSBURY**—Large 10 inch flowers of pure white with compact center, long lasting as cut flowers. (Each 75c).

**GALLANT FOX**—Large, deep crimson red. (Each 50c).

**GOLDEN GODDESS**—A striking pure yellow dahlia with long, strong, wiry stems, making it a good cut flower. (Each 50c).

**JANE COWL**—Color a glistening bronzy buff and old gold. (Each 50c).

**JERSEY BEAUTY**—Very fine true pink of perfect shape produced on long, straight stems. (Each 50c).

**MRS. GEORGE LEBOUTILLER**—Rich velvety carmine. (Each 50c).

**MRS. I. DE VER WARNER**—A charming deep mauve pink. (Each 50c).

**MOTHER CABRINI**—Carmine overlaid with garnet red. (Each \$1.00).

**MUSTANG (Cactus)**—Bright pink, straight cactus of exceptional form and quality. Giant 10-inch blooms held well above the plant on long stems. (Each 75c).

**PINK LADY**—Certainly one of the most beautiful of the new dahlias. Very large flowers of clear pure pink. (Each 50c).

**RED BEAUTY**—Color is deep dark red, flowers are large, on sturdy bushes. (Each 50c).

**ROSE GLORY**—A real rose pink, informal decorative of large size. (Each 50c).

**RUBY TAYLOR**—Deep carmine. (Each 75c).

**SULTAN OF HILLCREST**—Giant clear lemon yellow flowers. Flowers have great depth and are set on excellent stems. (Each 75c).

**THE SENATOR**—Large flowers of light yellow of excellent form, on long stems, making it excellent for cutting. (Each 75c).

**WATCHUNG GIANT**—Deep amber-yellow touched with orange. (Each 50c).



## POMPON DAHLIAS

The Pompon Dahlias grow to a height of 5 feet producing compact flowers from 1½ to 2 inches across.

**FAIRY**—A vivid pink. (Each 50c).

**CATHERINE**—A bright yellow pompon. (Each 50c).

**BOBBY**—Rich bright red pompon. (Each 50c).

## LARGE-FLOWERING CANNAS

For best results, plant about the end of May in beds, spaded two feet deep, enriched with well decayed manure. Water sparingly for first two weeks after planting, thereafter water liberally.



**THE PRESIDENT**—4 ft. Glowing red flowers with dark green foliage.

**KING HUMBERT**—5 ft. Velvety orange scarlet flowers with bronze foliage.

**CITY OF PORTLAND**—4 ft. Large flowers of a medium rose-pink with green foliage.

**RICHARD WALLACE**—4½ ft. Large canary yellow flowers with green foliage.

**APRICOT QUEEN**—4 ft. Large flowers of rich apricot, green foliage.

**MME. CROZY**—3½ ft. Flowers are scarlet, edged with yellow. Prices on the above Cannas: (3 for 75c) (Doz. \$2.50).

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## GLADIOLUS

The Gladiolus is the most attractive of all the summer flowering bulbs; it should have a place in every garden, large or small. For a succession, plant from April till June. Plant 6 inches apart and 4 inches deep. They will grow and bloom in any soil; we have never known anyone to fail with them.

The following list represents the best of both new and old favorites, both as to range of color and size of blooms. All bulbs offered by us are Colorado grown, of blooming size and are sure to give complete satisfaction.

**ABU HASSAN**—Most popular dark pansy blue. Early, tall.

**ALGONQUIN**—Brilliant scarlet.

**BAGDAD**—A smoky old rose, midseason.

**BLACK OPAL**—Large dark black red.

**BURMA**—Most beautiful ruffled dark old rose with rich velvety red blotch, midseason, medium height.

**CHAMOUNY**—Very distinctive and beautiful shade of cerise rose with silver line on edge of all petals. Midseason.

**DIEPPE**—Magnificent ruffled salmon-scarlet with velvet texture. Midseason.

**ELIZABETH THE QUEEN**—Large, ruffled, lavender.

**ETHEL CAVE COLE**—Early, light pink, flowers extra large.

**EVANGELINE**—Pastel pink with soft cream throat, 9-10 perfectly placed 6-inch florets open at one time. Midseason.

**FIREBRAND**—A brilliant ribbon of fire-red. Tall spikes with 8-10 florets open at once.

**FLORENCE NIGHTINGALE**—Well placed ruffled white blooms on a long head. Tall husky grower. Midseason.

**FLYING FORTRESS**—A huge lavender-grey with small red blotch. Immense in size and usually 10 florets open at once.

**GREAT LAKES**—Clear light blue opening 6-7 tea cup like florets of translucent light violet blue.

**GREEN LIGHT**—Ruffled greenish cream, almost a chartreuse.

**GOLDEN STATE**—An early deep yellow, a tall grower, opens 8 large florets at one time.

**HIGH FINANCE**—Smoky light orange gray with creamy throat. A beautiful color and one of the finest smokies. Opens up 9 lightly ruffled well placed blooms. Tall, late.

**LIPSTICK**—Beautiful ruffled shell pink with bright rose red splotch in throat.

**MAID OF ORLEANS**—Milky white flowers with creamy throat; early.

**MISS WISCONSIN**—A beautiful rose-pink that will open up to 8 florets on an average spike at one time.

**MODERN TIMES**—Light wine-rose with 6-8 florets open at once. Late.

**OCTOBER SUNSHINE**—Charming soft orange shading to yellow throat. Good straight stems, excellent for a fall crop. Midseason.

**ORANGE GOLD**—Deep orange with gold throat. Midseason.

**PACTOLUS**—Soft apricot cream with orange blotch, flowers perfectly placed, extra large with 8 florets open at once.

**PASTEL**—A sophisticated blend of salmon and lavender-grey. We consider this one of the most artistic smokies. Late.

**PICARDY**—Color is salmon pink with feathered throat. Strong stems and large flowers. Midseason.

**PURPLE SUPREME**—Tall, velvety purple, with 6-8 large florets open at once. Late.

**RED CHARM**—Good clear red, opens 8-9 well placed florets.

**RED CHERRY**—A rather light red with a hint of cherry, with a smooth velvety texture.

**SHERWOOD**—Lustrously beautiful ruffled deep purple red blending to a somewhat darker throat.

**SPOTLIGHT**—Soft golden yellow with a small red blotch. Early.

**SPIC AND SPAN**—Tall ruffled, unusual medium deep pink with 8 blossoms open at once. Fine for exhibition.

**SUNSPOT**—Light buff with soft reddish blur in throat. Early.

**TIVOLI**—Very beautiful soft rose. Opens 8 to 10 well placed blooms on a tall plant. Late.

**VALERIA**—A velvety soft tone of light red with a flame throat. Late.

**WEDGWOOD**—Waxy ruffled lavender with rich cream throat.

**WHITE GODDESS**—Heavily ruffled white, shading into cream throat.

### PERFEGRO GLADIOLUS BULBS

Well known for their fine quality.

You may expect large exhibition spikes from these bulbs.

3 of one variety.....	\$ .40	} Postpaid
6 of one variety.....	.75	
12 of one variety.....	1.25	
50 of one variety.....	4.50	

### BLUE RIBBON MIXTURE OF FINE GLADIOLUS

This wonderful mixture of Gladiolus contains all the latest flowering type; with every color of the rainbow. (12 bulbs for 85c) (50 bulbs for \$3.00). Postpaid.

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## HARDY PERENNIALS, ALPINES AND ROCK GARDEN PLANTS

Varieties starred (\*) are fine for Rock Gardens

These can be used to best advantage in groups and beds on the lawn, as borders for drives, walks, or in front of shrubbery, in the garden. Some of the tall-growing sorts may be planted in among the shrubbery with good effect. Soil should

be kept well fertilized. A light covering of coarse, strawy manure or something that will not pack is beneficial in winter.

Ready for delivery during April and early May. All are strong, healthy roots. No plants sent C. O. D.

**BLEEDING HEART, OLD FASHIONED**—2 feet, graceful heart-shaped pink flowers in April-May. Prefers partial shade. (Each 90c) (3 for \$2.40).

**CARNATIONS, HARDY GRENADIN**—This is the hardest of all outdoor carnations. Very fragrant, fully double producing large flowers on long stems. Finest of all varieties. Your choice of yellow, red, rose and white. (3 for \$1.25).

**COREOPSIS, Double Sunburst**—2½ ft. Large double golden yellow flowers. Blooms all summer. (3 for \$1.00).

**DELPHINIUM (Belladonna)**—Long spikes of light blue flowers. 4 feet.

**Bellamosa**—Same as above but deep blue flowers.

**Gold Medal Hybrids**—Choice range of colors through the blue shades to red and orchid casts. (3 for \$1.40).

**DIANTHUS, HARDY, OLD-FASHIONED CLOVE PINKS**—15 inches. Lovely pink flowers with a spicy fragrance produced all summer. (3 for \$1.00).

**DIGITALIS (Foxglove)**—5 to 6 feet. Most attractive for the border or woodland garden. Colors ranging from white and shell-pink to deepest rose, many dotted with crimson. (3 for \$1.00).

**FERNS (Hardy Outdoor Mixed or Ostrich Plume)**—2 ft. Plant in shade. (3 for \$1.40).

**GAILLARDIA, HYBRIDS**—3½ feet. Much better than common Gaillardia. Flowers are larger and brighter blend of red and gold. Blooms freely from June to frost. (3 for \$1.00).

**GYPSOPHILLA, PAN (Baby's Breath)**—2-3 feet. Great masses of small, pure white flowers in July and August. Fine for winter bouquets. (3 for \$1.00).

**LILY OF THE VALLEY**—8 inches. Everybody loves this fragrant white flower. Grows in sun or shade, even right under trees. (3 for \$1.40).

**THE RUSSELL LUPINS**—New English Hybrids. New colors and combinations of color. The size of the florets, their number on a spike, and the length of the spikes are much larger. (3 for \$1.40).

**\*PYRETHRUM (Painted Daisy)**—2 ft. This popular plant produces its lovely flowers in spring and early summer. Finely cut foliage. Your choice of red and rose. (3 for \$1.00).



PYRETHRUM  
Painted Daisy



SHASTA DAISY

**SHASTA DAISY, Alaska**—2 feet. Large white single flowers with a large yellow center. Bloom in June and July. (3 for \$1.00).

**SWEET PEA, PERENNIAL**—Train this climber on a trellis, fence or bank, it will produce its lovely flowers all summer. New growth from the roots each year. Your choice of red, pink and white. (3 for \$1.00).

**\*SWEET WILLIAM**—12 inches. Sweet, clove-scented flowers in great profusion during May and June. Mixed colors. (3 for \$1.00).

**TRITOMA, RED HOT POKER**—3 ft. Bright orange-scarlet blooms borne on stems 3 feet tall in August-September. Protect over winter or dig up and put in sand in cool cellar over winter. (3 for \$1.40).

**VIOLETS (Sweet Scented)**—Flowers are extra large, deep purple and very fragrant. Blooms early in the spring and again in the fall. (3 for \$1.40).

## BEAUTIFUL PEONIES

Chinese Peonies are very desirable on account of their large size, fine colors and profuse blooming. They are perfectly hardy and will succeed in any ground unless so wet the water stands on the surface in the winter and spring. Avoid planting too deeply, as this is often the cause of shy blooming; 2 inches of soil over the crown (eyes) being sufficient.

**MME. DE VERNEVILLE**—Blooms of pure white, with touches of crimson on edge of center petals. Midseason.

**FELIX CROUSSE**—Brilliant, dazzling ruby-red, very double. Midseason.

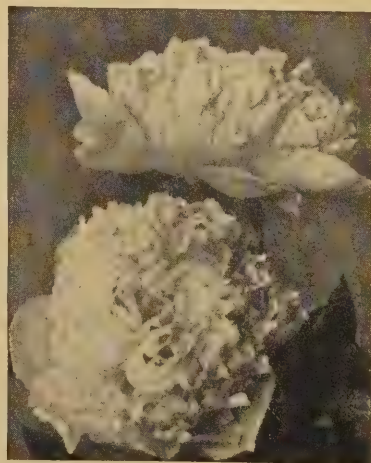
**PRINCE OF DARKNESS**—Early deep red, almost maroon.

**PRES. ROOSEVELT**—Very fine brilliant red, mid-season.

**EDULIS SUPERBA**—Bright clear mauve-pink, extra large flowers. Early.

**REINE HORTENSE**—Midseason. Rose-pink flecked with crimson.

Prices on the above: (Each \$1.00) (3 for \$2.75). Postpaid.



PEONY



VIOLA CORNUTA, TUFTED PANSY

**\*VIOLA CORNUTA, TUFTED PANSY**—Blooms from April to October, if the plants are kept sheared so they do not go to seed. Mixed colors. (3 for \$1.00).

**\*PANSIES**—We grow large quantities of Pansy plants from seed imported from the best Pansy specialists of Europe and at home, and if well cared for they will produce blooms of finest colors, from 2 to 3 inches across. In ordering Pansy plants, we would advise, where possible, that they be sent by express. Ready about April 1. (Doz. \$1.50). Postpaid.

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## FRUIT TREES and SMALL FRUITS

### APPLES

**DELICIOUS**—Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy with a delightful aroma; of very highest quality. A splendid keeper and shipper. A regular annual bearer.

**GRIME'S GOLDEN**—Large, golden yellow, juicy, aromatic, sub-acid. Fine dessert apple.

**HARALSON**—Large good, solid red apple, keeps all winter. Very hardy and good for our climate. Heavy bearer.

**MINJON (Minnesota 700)**—A Minnesota Jonathan developed for hardiness in northern climates. Heavy bearer of brilliant red, superb quality fruit, ripening at the same time as Wealthy but better coloring and hangs to tree well.

**RED JUNE**—Medium size, red base with yellow. Flesh white, tender, slightly sub-acid. Good eating and cooking apple, succeeds anywhere.

**ROME BEAUTY**—An improved variety, which has a solid, deep-red color. Large winter apple of good quality. Thick skinned, stands handling well and a good keeper. Bears young.

**WEALTHY**—Few varieties that are at once so hardy and so productive, yield fruit of such good quality—white-fleshed, juicy and vinous; of medium size, smooth, round and deep red.

**YELLOW DELICIOUS**—Similar to Delicious in shape. Fruit rich yellow color.

**YELLOW TRANSPARENT**—Large, uniform, yellowish white apples with moderately firm, juicy flesh.

**PRICES**—2-year-old tree, by express, not postpaid, at: (Each \$1.50) (3 for \$4.25).

### CRAB APPLES

**DOLGA CRAB**—Has rare beauty as an ornamental lawn tree and is perfectly hardy. The apple itself is a very rich red, and jells perfectly even when dead ripe. A fine canning crab.

**WHITNEY CRAB**—The fruit is very large and glossy green, striped with red. Good for eating and canning.

**PRICES**—Large, 4 to 6 foot, 2-year-old trees by express, not postpaid, at: (Each \$1.50) (3 for \$4.25). Assorted if desired.

### APRICOTS

**CHINESE**—Large size, round deep orange-yellow fruits, flesh is firm and the richest flavor, ripe in late June. Hardy in this climate.

**PRICES**—2-year-old tree, by express, not postpaid, at: (Each \$1.75) (3 for \$4.50).

### PEACHES

**ELBERTA**—A leading market variety, large, handsome bright yellow overspread with crimson; juicy, fine shipper, freestone.

**POLLY**—Hardy delicious white peach, the fruit is large, blushed, free stone, ripening early, juicy but firm, with the richest most delicious flavor. When canned it stays firm, and makes excellent sauce and preserves. It was developed for the north and will stand temperatures of 25 to 20 degrees below zero. The trees bear young and produce abundantly.

**PRICES**—Large, 4 to 6 foot, 2-year-old trees, by express, not postpaid, at: (Each \$1.50) (3 for \$4.50).

### THE FAMOUS 5-N-1 APPLE TREE

FIVE SPLENDID KINDS  
OF APPLES ON ONE TREE

#### LET 1 TREE DO THE WORK OF 5

For Those with Limited Space if You Want but  
One Apple Tree

Think of having five varieties of apples on one tree! Will provide an abundance of fresh fruit from July until winter.

Red Jonathan, Wealthy, Yellow Delicious, Crimson  
Winesap and Yellow Transparent  
A Complete Orchard on One Tree

3-6 ft. size with nice growth on all varieties

Each, \$2.75



CHERRY, MONTMORENCY

### CHERRIES

**EARLY RICHMOND**—Unsurpassed for cooking. Hardest of all varieties, bears heavily. Cherries are medium size, round and dark red. Flesh tender, juicy and sub-acid. Early. Very popular and a fine variety in every respect.

**BING**—One of the most delicious dark red Cherries. Tree hardy, foliage heavy, productive, excellent for eating and canning.

**ENGLISH MORELLO**—This is the latest cherry to ripen, fruit is good size, almost black when fully ripe. Very heavy and young bearer.

**MONTMORENCY**—Best of all sour varieties, most in demand at all markets, widely used by canneries. Fruit is good size, bright clear red, fine quality, sub-acid flavor. Early. A splendid all around variety.

**SWEET CHERRY (Black Tartarian)**—Very large, bright purplish black cherry; flesh very rich, delicious, thick, juicy, of purplish color. Very vigorous, erect grower and an immense bearer.

**YELLOW GLASS**—A hardy sweet cherry of golden yellow, firm, juicy and of fine quality. Blooms late.

**PRICES**—Large, 4 to 6 foot, 2-year-old trees, by express, not postpaid, at: (Each \$1.75) (3 for \$4.50). Assorted if desired.

### PEARS

**BARTLETT**—Fruit large, clear lemon yellow, highly flavored, very juicy. Ripens in September.

**PRICES**—Large, 4 to 6 foot, 2-year-old trees, by express, not postpaid, at: (Each \$1.50) (3 for \$4.25).

### PLUMS

**DAMSON**—Medium sized blue plums of finest quality, free stone. A heavy annual bearer, ripens in September.

**GREEN GAGE**—A mid-season plum that is very sweet, greenish yellow throughout. Excellent for eating and preserves. Medium sized.

**ITALIAN PRUNE**—This is a prune type plum, fine for cooking and fine for eating fresh. The fruit is large and dark blue; flesh greenish yellow; juicy, tender, firm and sweet.

**LOMBARD**—Fruit oval, violet red, with a yellow, juicy flesh; freestone. Ripens the end of August.

**YELLOW EGG**—Fruit of the largest egg-shaped beautiful yellow color, flesh yellow and very fine for canning and eating, very productive, ripe in August.

**PRICES**—Large, 4 to 6 foot, 2-year-old trees, by express, not postpaid, at: (Each \$1.50) (3 for \$4.25). Assorted if desired.



## SMALL FRUITS

### GRAPE VINES

**AGAWAM**—A hardy dark red table grape, very sweet and juicy, ripens at the same time as Concord. Bunches usually loose, berries, large with thick fleshy skin. (Each 50c) (3 for \$1.35).

**CONCORD**—One of the most popular and reliable varieties we possess. Bunch large, compact and shouldered; berry large, round, almost black with blue bloom; juicy, buttery and very sweet. (Each 50c) (3 for \$1.35).

**NIAGARA**—A splendid table grape, very early. This variety of white grape is very sweet and juicy and as hardy as the Concord, and a good producer. (Each 50c) (3 for \$1.35).

**FREDONIA**—At last has been found a real early Black Grape, one which has no rival. Juicy, tender, good cluster, equal in every way to the Concord, but fully two weeks earlier. (Each 50c) (3 for \$1.35).

**MOORE'S EARLY**—Larger berries and bunches than Concord, sweeter, better quality and ripens a week earlier. Fine for the local market and the home garden, but not a good shipper on account of its thin skin. (Each 50c) (3 for \$1.35).



GRAPES, CONCORD

### BLACKBERRIES

**ELDORADO**—Largest and best hardy Blackberry for this part of the country. Berries large, jet black, borne in large clusters; they are very sweet, melting and pleasing to the taste. Good market sort, standing shipping and handling well. Vigorous, hardy, enormous yielder. (6 for 90c) (25 for \$3.50).

### BOYSENBERRY

(Thornless)

The New Boysenberry is truly a glorified Youngberry. They are just as easy to grow as blackberries. Berries often measure two inches in length, have a rich, tangy flavor all their own and have few seeds. Berries fine, either fresh or canned. (6 for 90c) (25 for \$3.50).

### CURRENTS

**PERFECTION**—This is perhaps the best variety of Red Currant that was ever introduced. It is a prolific yielder, with a rich sub-acid flavor. The fruit is very pulpy and contains but very few seeds. (Each 60c) (3 for \$1.65).

**RED LAKE**—The sweetest of all red currants. It is a tremendous bearer of big currants that are wonderfully sweet when ripe. (Each 60c) (3 for \$1.65).

### GOOSEBERRIES

**CHAMPION**—Fruit large, round, light green, fine flavored; vigorous and productive; smooth with distinct veins, soft, juicy, and fine skin; one of the best. (Each 60c) (3 for \$1.65).

**PIXWELL**—Large sized, prolific and hardy, red berries of best quality. (Each 75c) (3 for \$2.00).

### RASPBERRIES

**CUMBERLAND (Black)**—Healthy, vigorous, throwing up stout, stocky, well branched canes that produce immense crops. Fruits very profitable; large, firm. Midseason. (6 for 90c) (25 for \$3.50).

**ST. REGIS EVERBEARING RASPBERRY**—Fruit starts to ripen with the earliest and continuing on your canes until fall. Berries bright crimson, large size, rich and sugary. (6 for 90c) (25 for \$3.50).

**INDIAN SUMMER (Everbearing)**—A new two-crop red raspberry developed by the New York Experiment Station. Bears in summer and again in fall, continuing until frost. The berries are large, somewhat conical, of medium red color and high quality. Plants are hardy and vigorous growers. (6 for 90c) (25 for \$3.50).

### EVERBEARING STRAWBERRIES

In Strawberries it is very necessary that you get fresh-dug plants. We grow our own plants and take every care that our customers get their plants in the best possible condition.

**Cultural Suggestions:** Strawberries need first-class soil and will repay generously for good care. Plant about 15 inches apart in the row and 3 feet between the rows. Spread the roots when planting and water well. After the ground freezes hard, cover the crowns with a little straw or litter, but do not smother. A bed will run out in three years and the ground should then be put to some other use for a year or two.

Ready for shipment April 1 to May 10 only.

**MINNESOTA 1166**—Everbearing—An Exerbearer which has everything: You can depend on this exceptional berry to give you a full fruiting row as it is a free plant maker. The berry is of a dark and pure dazzling red to the center and no green tips or spots. When planted in the spring this wonderful berry will produce a crop in July and continue until late in the fall. Postpaid: (25 plants for \$1.25) (100 for \$4.50).

**STREAMLINER**—Sensational new everbearing that produces very large berries of a rich red color and keeps producing from early summer right on through to heavy frost. Bears 90 days after early spring planting, extra sweet. (25 for \$1.25) (100 for \$4.50).



STRAWBERRY, STREAMLINER

Prices on This Page Are Postpaid. Available in spring only, ready for shipment April 1. No plants sent C. O. D.



## PERFEGRO LAWN GRASS SEEDS



For making a new lawn or for reseeding established lawns, use our special re-cleaned grass seed.

There is nothing that will improve the appearance of your home so much as a well-kept lawn with a flower bed or two, and a liberal planting of shrubs along the borders. To have a good lawn it is necessary that you get your soil in fine condition, that you sow a sufficient quantity of good seed, and that you take care of the grass after you have a stand.

Our Lawn Seed has all been thoroughly re-cleaned, is of high purity and germination. Sow at the rate of 1 pound to 150 to 200 square feet.

**PERFEGRO LAWN MIXTURE**—A beautiful, smooth, low-growing, dark, velvety grass. It is composed of re-cleaned Kentucky Blue Grass and White Dutch Clover together with other fine blade perennial grasses. **Postpaid (lb. \$1.60) (5 lbs. \$7.75) (10 lbs. \$15.00).**

**PROFESSIONAL LAWN MIXTURE**—A combination of grasses that can be planted in either full sun or shaded areas. A mixture of Kentucky Blue Grass, Chewing's Fescue, Red Creeping Fescue and Poa Trivialis; all fine bladed grasses. This mixture is used by many of the better lawnmakers. **Postpaid (lb. \$1.75) (5 lbs. \$8.50) (10 lbs. \$16.50).**

**SHADY SPOT LAWN MIXTURE**—This is made up of grasses which naturally grow in shady places. Contains Bent Grass. **Postpaid (lb. \$1.75) (5 lbs. \$8.50) (10 lbs. \$16.50).**

**KENTUCKY BLUE GRASS AND CLOVER**—A special mixture of 90 per cent Kentucky Blue Grass and 10 per cent White Dutch Clover. **Postpaid (lb. \$2.00) (5 lbs. \$9.75) (10 lbs. \$19.00).**

**KENTUCKY BLUE GRASS—Special Re-cleaned Seed**—This is the most widely used grass for lawns; forms a close, thick turf and is very hardy. Seed is slow to germinate and must be kept well watered with a fine spray until it is established. Fancy. **Postpaid (lb. \$2.00) (5 lbs. \$9.50) (10 lbs. \$19.00).**

**MERION BLUE GRASS**—One of the newest turf grasses, looks very much like Kentucky Blue, but is more drought resistant. Merion spreads to form a thick, closely knit sod that fights off weed attacks, and crowds out crab grass. Holds its color well in hot weather, even with a minimum of water. Its dense compact turf stands up to hard wear and abuse. Sow one pound of seed to 500 to 750 square feet of lawn area. Certified Blue Tag. **Postpaid (lb. \$4.75) (5 lbs. \$22.50).**

**BUFFALO GRASS FOR LAWNS**—Treated to hasten germination. This is a low-growing long-lived drought-resistant perennial grass that spreads by numerous surface runners. Profuse branching of runners enables this grass to form a dense sod. The leaf surface is a gray green, turning to purplish in late fall. Seed should be applied at the rate of from  $\frac{1}{2}$  to  $\frac{3}{4}$  pound per 1,000 square feet of lawn area. The seeding rate is readily obtained by spacing the seed  $\frac{1}{2}$  to  $\frac{3}{4}$  of an inch apart in the rows, or by dropping 15 to 20 seeds per foot of row, in rows one foot apart. After the lawn is up requires very little water, making it an ideal grass for farm lawns, parks and cemeteries. **Postpaid (lb. \$1.50) (5 lbs. \$7.25) (10 lbs. \$14.00).**

When making a new lawn, be sure that the soil is well drained and that a sufficient amount of fertilizer has been incorporated in the soil, using a fertilizer rich in plant food.

Owing to an abundant crop of high grade Kentucky Blue Grass Seed this season prices on straight Kentucky Blue Grass and fine Lawn Mixtures are considerable cheaper. The base of all good Lawn Mixtures is Blue Grass.

As a top dressing use a balanced Fertilizer, such as Vigoro or Sacco, or incorporate the fertilizer in the soil before sowing the seed. Do not use barnyard manure for top dressing.

**ASTORIA BENT**—This is the true Creeping Bent Grass, which spreads by underground roots and by stolons which creep over the ground and send down roots from their joints. It is very fine bladed and forms a thick velvety turf. It is quick growing and crowds out dandelions and other weeds. Sow one pound to 300 square feet. **Postpaid (lb. \$1.75) (5 lbs. \$8.50) (10 lbs. \$16.50).**

**WHITE DUTCH CLOVER**—This is a low growing clover used principally for lawns in a mixture with Blue Grass. It germinates quickly and acts as a protection for the slower germinating Blue Grass. **Postpaid ( $\frac{1}{4}$  lb. 40c) (lb. \$1.25) (5 lbs. \$6.00) (10 lbs. \$11.50).**

**COOS OR SEASIDE BENT**—This variety differs only from the Astoria Bent in that it creeps more on top of the ground, thus forming, when it has been well established, somewhat of a turf or matting on top of the soil which tends to crowd out weeds. **Postpaid (lb. \$1.75) (5 lbs. \$8.50) (10 lbs. \$16.50).**

**CREeping RED FESCUE**—A fine leaved, persistent, turf-forming grass, excellent for shade and is valuable in lawn mixtures. **Postpaid (lb. \$1.25) (5 lbs. \$6.00) (10 lbs. \$11.50).**

**RYE GRASS (Domestic)**—A valuable grass for pastures and lawns when quick results are required. Thrives well on any soil. **Postpaid (lb. 50c) (5 lbs. \$2.25) (10 lbs. \$4.00).**

**RYE GRASS (Perennial)**—Rapid growing grass, useful for making lawns where immediate effects are wanted. Valuable for hay and pasture. **Postpaid (lb. 60c) (5 lbs. \$2.75) (10 lbs. \$5.25).**

**MEADOW FESCUE OR ENGLISH BLUE GRASS**—Grows best on moist soils. Robust in habit, yet never grows into large tufts. Superior to Rye Grass for lawns. **Postpaid (lb. 75c) (5 lbs. \$3.50) (10 lbs. \$6.50).**

**CHEWING'S FESCUE**—This is used in mixtures for fine lawns for putting greens, wherever a particularly fine-leaved grass is wanted. **Postpaid (lb. \$1.25) (5 lbs. \$6.00) (10 lbs. \$11.50).**

**CRESTED WHEAT (Fairway Strain)**—This strain was developed in Canada for use in lawns, fairways, boulevards, school yards, cemeteries, parks and in areas where water is not readily available. It is a hardy, drought-resistant fine-stemmed grass. **Postpaid (lb. \$1.00) (5 lbs. \$4.50) (10 lbs. \$8.50).**

**BERMUDA GRASS (For the South)**—A southern grass with dwarf habits, long creeping stems rooting at the joints that cover the ground with a matting of fine turf. Not suited for northern latitudes.

**UNHULLED SEED**—**Postpaid (lb. 80c) (5 lbs. \$3.75) (10 lbs. \$7.00).**

**HULLED SEED**—**Postpaid (lb. \$1.00) (5 lbs. \$4.75) (10 lbs. \$9.00).**



## ADAPTATION CHART FOR PASTURE SEEDS

CROP	PALAT- ABILITY	ANNUAL OR PERENNIAL	RATE OF SEEDING (POUNDS PER ACRE)	MOISTURE REQUIREMENTS	REMARKS
Alfalfa	Very high	Perennial	15-20 drilled 2-5 in mixtures	Prefers well-drained soils but stands considerable dryness.	Makes more summer growth in pastures than any other legume.
Alsike Clover	Very high	Short-lived perennial	4-6 broadcast 2-4 in mixtures	Tolerates excessive moisture but little dryness.	Best adapted to wet lands. Stands much alkali if moisture plentiful.
Birdsfoot Trefoil, Broadleaf	High	Perennial	4 broadcast 1-3 in mixtures	Widely adapted—stands both excessive wetness and dryness.	Needs less water than Ladino and Red Clover. Evidently causes neither bloat nor scouring.
Birdsfoot Trefoil, Narrowleaf	High	Perennial	4 broadcast 1-3 in mixtures	Same as Broadleaf but better adapted to wet conditions.	Prostrate type. Does better on lowlands than Broadleaf, and is more alkali-tolerant.
Bluegrass, Kentucky	High	Perennial	12-15 broadcast 2-4 in mixtures	Prefers well-drained soils.	A not too productive sod-forming grass. Not usually recommended for irrigated pastures.
Brome, Mountain	Medium	Perennial	15-20 broadcast 2-5 in mixtures	Dry land grass. Needs at least 15-20" rainfall.	Used in short term pastures on Sweet Clover-grass mixtures. New variety, Bromar, most popular.
Bromegrass, Smooth	High	Perennial	15-20 broadcast 2-6 in mixtures	More drought-resistant than Mt. Brome.	Excellent for irrigated pastures and meadowlands. Alkali-tolerant. Often planted with Alfalfa.
Burnet	Medium	Perennial	8-10 broadcast 2-4 in mixtures	Medium, but succeeds with as little as 15 inches rainfall.	Not recommended for meadowlands or most irrigated pastures. Adaptation not well known.
Fescue, Alta	High	Perennial	10-15 broadcast 2-6 in mixtures	Stands both wetness and dryness.	Widely adapted to soils, moisture, and climates. One of the most productive grasses now available. Alkali-tolerant.
Fescue, Chewings	Medium	Perennial	15-20 broadcast 2-4 in mixtures	Requires medium but constant moisture.	Not widely used for forage. Neither too palatable nor productive. Good lawn grass.
Fescue, Creeping Red	Medium	Perennial	15-20 broadcast 2-4 in mixtures	Same as above.	Not often used in pastures. Good lawn grass.
Fescue, Meadow	High	Perennial	8-15 broadcast 2-6 in mixtures	Stands considerable wetness but little dryness.	Excellent forage grass. Not as widely used as formerly. Largely replaced by Alta Fescue.
Gramma, Blue	High	Perennial	8-10 broadcast 1-3 in mixtures	Stands considerable drouth.	Excellent range grass for semi-arid regions with summer rainfall. Not recommended for irrigated pastures.
Gramma, Sidecoats	High	Perennial	8-10 broadcast 1-3 in mixtures	Stands considerable drouth.	Excellent range grass for semi-arid regions with summer rainfall. Not recommended for irrigated pastures.
Hubam Clover	Medium	Annual	15-20 broadcast 2-4 in mixtures	Prefers well-drained soils.	Sometimes used for summer annual pasture. Excellent soil-building crop. Not often used in pastures.
Ladino Clover	Very high	Perennial	4-6 broadcast 2-4 in mixtures	Requires well-drained soils.	A high yielding, quick recovering, and popular legume. Should be used wherever adapted.
Lespedeza, Korean	High, in early growth	Annual	15-20 broadcast 2-6 in mixtures	Does best on well-drained soils.	Requires high humidity and heat. Not used where Alfalfa will grow.
Lovegrass, Sand	Medium	Perennial	1-2 in mixtures	Highly drouth-resistant.	Excellent range grass for Southwest and lower altitudes of Colorado. Not suitable for mountain areas.
Lovegrass, Weeping	Fair to medium	Perennial	1-2 in mixtures	Highly drouth-resistant.	Same as above but somewhat more winter-hardy than others. Not too palatable.
Orchard Grass	High, in early growth	Perennial	20-25 broadcast 2-6 in mixtures	Medium, but stands considerable dryness but not excessive wetness.	Productive, long-lived, widely adapted pasture grass. Stands some alkali and much abuse.



## ADAPTATION CHART FOR PASTURE SEEDS—Continued

CROP	PALAT- ABILITY	ANNUAL OR PERENNIAL	RATE OF SEEDING (POUNDS PER ACRE)	MOISTURE REQUIREMENTS	REMARKS
Red Clover, Mammoth	High	Biennial, or short-lived perennial	10-12 broadcast 2-4 in mixtures	Medium. Not tolerant of excessive wetness.	Not often used in pastures. Coarser and probably less palatable and productive than Medium Red Clover.
Red Clover, Medium	High	Biennial, to short-lived perennial	10-12 broadcast 2-4 in mixtures	Does best on well-drained soils, but not too sensitive.	Requires rich deep soils. Highly productive and palatable. Not tolerant of much alkali or acid. Short-lived in pastures.
Redtop	Medium	Perennial	2-4 in mixtures	Dry to extremely wet.	Not too productive but often useful in meadowlands. Not often used in irrigated pastures.
Reed Canary Grass	High	Perennial	8-10 broadcast 2-4 in mixtures	Medium to extremely wet.	Very useful for meadowlands, marshlands, and irrigated pastures. Slow to establish.
Ryegrass, Common	High	Annual, or short-lived perennial	20-25 broadcast 2-3 in mixtures	Medium.	Widely used in irrigated pastures. Very productive and particularly valued for growth concurrent with Ladino. Short-lived, but produces early feed the first year.
Ryegrass, Perennial	High	Perennial	2-3 in mixtures	Medium.	Grows later into the summer than Common Ryegrass. Productive but short-lived.
Sand Drop	High	Perennial	2-3	Succeeds in 8-inch rainfall zone.	A native dry land grass, good for binding soil and very palatable.
Strawberry Clover	Very high	Perennial	6-8 broadcast 2-3 in mixtures	Requires liberal and constant moisture supply.	Well suited to alkali soils if moist. Also good for meadow- lands. Slow growing and not highly productive.
Sweet Clover	High, in early growth	Perennial	15-20 broadcast 2-6 in mixtures	Dry to extremely wet.	Excellent for pastures on sandy or alkaline soils. Palat- ability rather low. Very productive.
Sweet Clover, Yellow Blossom	High, in early growth	Biennial	15-20 broadcast 2-6 in mixtures	Same as above.	Not so coarse as above and somewhat better adapted to use in pastures.
Tall Meadow Oatgrass	High	Perennial	10-15 broadcast 2-6 in mixtures	Medium, but stands some dryness.	Productive and well adapted to rather poor soils. Gaining favor as a pasture grass.
Timothy	High	Perennial	10-12 broadcast 2-6 in mixtures	Requires constant and liberal supply.	Does best on rich loam or clay-loam soils. Very produc- tive but not too long-lived.
Wheatgrass, Crested	Medium	Perennial	6-8 drilled 2-6 in mixtures	Does well where rainfall is in excess of 8".	Most valuable grass for seeding sagebrush or marginal farm lands. Extremely winter-hardy.
Wheatgrass, Slender	Medium	Perennial	6-8 drilled	Less drought-resistant than the above.	Requires better soils than the other Wheatgrasses. Usu- ally considered somewhat more palatable.
Wheatgrass, Western	Medium	Perennial	15-20 broadcast 2-5 in mixtures	Somewhat less drought res-istant than above. Stands some flooding.	<b>Differs from above in that it is a sod-former. Very useful where soil erosion is a factor. A range grass.</b>
Wheatgrass, Intermediate	Medium high.	Perennial	6-8 drilled	About same as Crested Wheatgrass.	A valuable, productive, sod-forming Wheatgrass. Pro- vides later feed than Crested Wheatgrass.
Wheatgrass, Tall	High	Perennial	6-8 drilled	Best on sub-irrigated lands.	Strongly alkali-tolerant, late maturing. Needs at least 10 inches of rainfall.
White Dutch Clover	Very high	Perennial	4-6 broadcast 2-4 in mixtures	Requires constant and liberal supply.	Succeeds under poorer conditions than Ladino, but is less productive. Very well adapted to meadowlands.
Wild Rye, Russian	Medium	Perennial	6-8 drilled	Succeeds in 8-inch rainfall zone.	Starts growing later in spring than Crested Wheatgrass and remains green throughout summer.



# RANGE and PASTURE GRASSES

**BROME GRASS**—One of our most drouth and cold resistant grasses. Roots may penetrate soil to 5 or 6 feet providing a large area from which to draw moisture and plant food. It has a tendency to become sod bound after 3 or 4 years, but if the soil is lightly plowed in the early spring or fall it breaks up this sod and the yield is greatly increased.

**LINCOLN (Southern Type)**—This strain originated from several old fields in Nebraska and manifests uniform type, excellent yield and strong productivity. The general type is difficult to distinguish from Achenbach.

Postpaid (5 lbs. \$3.50) (10 lbs. \$6.75).

**NORTHERN TYPE**—Was introduced from Siberia and has been found well adapted to Canada and northern great plains. Differs only in heights of stalks and color of leaves from southern type.

Postpaid (5 lbs. \$3.50) (10 lbs. \$6.75).

**MOUNTAIN BROME**—A short lived perennial grass that is a native to the Rocky Mountain area. Does best on prairies and foothill soils, particularly well suited for growing along with Sweet Clover for dual purpose pasture.

Postpaid (5 lbs. \$3.50) (10 lbs. \$6.75).

**BURNET**—Belongs to Rose family. Considerable success has been secured in dry land planting. Maintains green growth into late summer if any moisture available, for sheep pasture.

Postpaid (5 lbs. \$7.00) (10 lbs. \$13.50).

**ALTA or TALL FESCUE**—A selection from Meadow Fescue by Oregon Agricultural Exp. station. Could be pastured when leaves are young and succulent. If allowed to mature and become coarse it should be mowed to remove coarse stems. Does best when planted with a legume.

Postpaid (5 lbs. \$4.50) (10 lbs. \$8.50).

**MEADOW FESCUE**—Usually starts slowly. Once established maintains itself for many years. Difficult to seed by drill. In areas where seasonal flooding is detrimental to most good forage crops this plant will make excellent growth. Produces abundance of feed when grown in wet soils.

Postpaid (5 lbs. \$3.50) (10 lbs. \$6.50).

**BLUE GRAMA**—Is a perennial tufted grass adapted for the dry plains region; plants grow from 1 to 3 feet tall, used for reseeding range lands.

Postpaid (5 lbs. \$7.00) (10 lbs. \$13.50).

**SAND DROP SEED**—Best on sandy or semi-sandy soils. A native dryland grass good for binding soil and very palatable. Seed is small and inexpensive. In mixtures with wheat grasses and bromes, Sand Drop will provide abundant forage while the slower growers are establishing themselves. Sow two to five pounds per acre.

Postpaid (5 lbs. \$2.75) (10 lbs. \$5.00).



ALTA FESCUE

**ORCHARD GRASS**—Derives name from ability to grow in shade of trees. Of special importance is its ability to grow both early in the spring and late in the fall. The main stems have a tendency to become tough and woody if allowed to mature. Livestock often avoid these stems and it is advisable to mow the field to rid it of coarse bunches.

Postpaid (5 lbs. \$3.50) (10 lbs. \$6.50).

**SAND LOVE GRASS**—A vigorous long lived native bunch grass, thriving on sandy soils of the great plains. Grows 3 to 6 ft. tall, with slightly hairy leaf blades about 12 inches long with a distinctive purple cast. Leafy foliage, primarily basal, is abundant, roots are vigorous, spreading and deeply penetrating and therefore of value in conservation. Plants begin growth very early in spring and remain green until late fall. It is generally considered one of the most palatable and nutritious of the range grasses. It is easily established from seed and volunteers aggressively. Use one pound per acre, covering seed to a depth of 1/4 inch.

Postpaid (5 lbs. \$7.00).

**RED TOP (Solid Seed)**—Valuable for low land, as it is not injured by water. It also grows well on high land. Grows 2 to 3 feet high, and makes very good hay. Finest re-cleaned seed. Sow 8 to 10 pounds per acre.

Postpaid (5 lbs. \$4.25) (10 lbs. \$12.00).

**REED CANARY GRASS**—Has achieved considerable importance in areas that are subject to periodic overflow. It will withstand a great deal of pasturing if not pastured too close. Not recommended for extremely hot areas.

Postpaid (5 lbs. \$5.00) (10 lbs. \$9.75).

**ANNUAL DOMESTIC RYE GRASS**—Due to its ability to produce a quick heavy stand it is often used in combination with slower starting perennial forage mixtures. It produces a quick feed and at the same time holds weeds in check until slower starting perennials can grow.

Postpaid (5 lbs. \$2.25) (10 lbs. \$4.00).

**PERENNIAL RYE GRASS**—Has all advantages of Domestic Rye Grass except in areas where rust is present. High palatability makes it extremely popular as an ingredient in permanent pasture mixtures.

Postpaid (5 lbs. \$2.75) (10 lbs. \$5.25).

**TALL MEADOW OAT GRASS**—Stands pasturing well and produces an abundance of forage from early spring until late fall. Do not plant in shade.

Postpaid (5 lbs. \$6.25) (10 lbs. \$11.50).

**TIMOTHY**—One of the most popular grasses for hay and pasture.

Postpaid (5 lbs. \$2.25) (10 lbs. \$4.00).

**CRESTED WHEAT**—Clipping or pasturing the grass in the spring apparently stimulates growth, which causes it to remain green longer in the summer and green up earlier in the fall. Usually two years before fully established.

Postpaid (5 lbs. \$4.25) (10 lbs. \$8.00).

**FAIRWAY STRAIN**—See Page 43 for description.

Postpaid (5 lbs. \$4.50) (10 lbs. \$8.50).

**WESTERN WHEAT GRASS (Blue Stem)**—Is a drought resistant, long-lived perennial grass. Produces excellent forage for grazing and hay.

Postpaid (5 lbs. \$4.50) (10 lbs. \$8.50).

**SLENDER WHEAT GRASS (Western Rye Grass)**—Grows in tall erect bunches which sometimes cover a space of one foot in diameter. It is a perennial, resistant to both drought and cold. Has ability to grow in alkali land and is very palatable to cattle and horses.

Postpaid (5 lbs. \$4.25) (10 lbs. \$8.00).

**INTERMEDIATE WHEAT GRASS**—This is a tall cool season grass, which spreads from moderately vigorous underground root stalks to produce a sod. At Fort Collins this grass starts growth in late February or early March and attains a height of 6 inches, between April 10th and 20th. It makes a lush growth of leaves in early spring, heads during July and matures in August. With good fall moisture regrowth takes place and 1/4 to 1/2 the normal forage production may again be produced. The leafage growth before heading is quite palatable as the leaves are broad and soft like Smooth Brome Grass. The seed is large and clean and can be drilled with an ordinary grain drill.

Postpaid (5 lbs. \$5.00) (10 lbs. \$9.50).

**PUBESCENT WHEATGRASS (Stiff Hair Grass)**—A long lived alkali-tolerant grass more drought-resistant than Intermediate but adapted to the same kinds of soil. Tall growing, large seeded, rather coarse seed with hairy foliage. Sod forming, heavy root producing grass.

Postpaid (5 lbs. \$7.50) (10 lbs. \$14.00).

**TALL OR GIANT WHEAT GRASS (Agropyron Elongatum)**—

This is a special use grass needed for problem areas, on ground that has irrigation seepage, high water table or wet alkaline condition. The Grass is somewhat coarse, erect perennial with a bunch-type growth, an abundance of long basal and stem leaves make it a high forage producer comparing favorable with the rest of the wheat grass. Like other cool season grasses, Tall Wheat Grass does most of its growing in the early spring and fall. Seed is ready to harvest in August and even at this time foliage is green.

Postpaid (5 lbs. \$5.00) (10 lbs. \$9.50).

**RUSSIAN WILD RYE**—A long-lived, drouth-resistant perennial which is tolerant of low-fertility soils. It is a densely tufted bunch grass with an extensive, fibrous root system which starts growth later in the spring than Crested Wheat and matures about three weeks later. The leaves remain green throughout the summer and fall and the plant has good recovery growth. The seedlings are weak and slow to establish. Once established the plants are vigorous and will withstand heavy utilization.

Postpaid (5 lbs. \$7.50) (10 lbs. \$14.00).



**PERFEGRO BRAND GRASS AND FIELD SEEDS** are specially re-cleaned and tested for purity and germination before shipping. If desired, we will send you samples and advise you what the purity and germination test are of any of the Grass or Farm Seeds.

## HAY AND PASTURE MIXTURES

Lighter per acre planting rates mean smaller seed cost, and a better balanced pasture. Don't over-plant.

**SETTING THE GRAIN DRILL**—For mixtures containing Brome Grass: Setting drill at 3 in pecks of wheat, sows 18 lbs. per acre. Setting drill at 4 (pecks wheat), sows 26 lbs. per acre.

### FOR IRRIGATED PASTURES

**PASTURE MIXTURE "A"**—For average soils with good drainage.

6 lbs. Orchard Grass  
6 lbs. Smooth Brome  
2 lbs. Ladino Clover  
3 lbs. Alfalfa  
3 lbs. Intermediate Wheat

**PASTURE MIXTURE "B"**—For average soils, poor to fair drainage.

6 lbs. Alta Fescue  
2 lbs. Reed Canary  
6 lbs. Timothy  
4 lbs. Alsike Clover  
2 lbs. Strawberry Clover

**PASTURE MIXTURE "C"**—For average soils, only part season irrigation.

5 lbs. Alta Fescue  
6 lbs. Orchard Grass  
6 lbs. Smooth Brome  
3 lbs. Alfalfa

**PASTURE MIXTURE "D"**—For soils with some alkali.

4 lbs. Alta Fescue  
4 lbs. Smooth Brome  
4 lbs. Orchard  
2 lbs. Alsike Clover  
2 lbs. Strawberry Clover  
4 lbs. Tall Wheat Grass

### FOR NON-IRRIGATED PASTURES

**PASTURE MIXTURE "E"**—For average soils, moist mountain meadowlands, with fair drainage.

5 lbs. Smooth Brome  
5 lbs. Orchard Grass  
5 lbs. Tuatatin Oat Grass  
3 lbs. Red Clover  
2 lbs. White Blossom Sweet Clover

**PASTURE MIXTURE "F"**—For average soils, moist mountain meadowland with poor drainage.

6 lbs. Meadow Fescue  
4 lbs. Reed Canary Grass  
3 lbs. Alsike Clover  
2 lbs. White Blossom Sweet Clover

**PASTURE MIXTURE "G"**—For average soils to moderate alkalinity, well drained uplands or benchlands.

6 lbs. Smooth Brome  
6 lbs. Crested Wheat  
3 lbs. Ladak Alfalfa

**PASTURE MIXTURE "H"**—For moderate alkalinity, moist ground.

5 lbs. Alta Fescue  
5 lbs. Smooth Brome  
3 lbs. Reed Canary Grass  
2 lbs. Alsike Clover  
2 lbs. White Blossom Sweet Clover

Prices on any of the above mixtures quoted on request.

**TIMOTHY AND 20% ALSIKE MIXTURE**—Fine for hay and pasture, especially for mountain districts.  
Postpaid (5 lbs. \$3.50) (10 lbs. \$6.50).

**BROME-ALFALFA MIXTURE**—An excellent pasture mixture, for hay purposes use 8 lbs. of Alfalfa to 12 lbs. of Brome to the acre to give higher yields. For pasture use 12 lbs. of Brome to 4 lbs. of Alfalfa per acre.  
Postpaid (5 lbs. \$3.50) (10 lbs. \$6.50).

**MORTON'S PASTURE MIXTURE**—Our State Agricultural College recommends the following ratio for a well-balanced permanent pasture mixture: 30 per cent Orchard Grass, 30 per cent Brome Grass, 20 per cent Meadow Fescue, 12 per cent Timothy and 8 per cent Yellow Blossom Sweet Clover. Sow 25 to 30 pounds per acre.

Postpaid (5 lbs. \$3.50) (10 lbs. \$6.50).

## FIELD SEEDS

### ALFALFA

**CULTURE**—Alfalfa Seed may be sown either in spring or in fall at the rate of 12 to 20 pounds per acre. Sow with oats, barley, field peas or other grains as a nurse crop, sowing only about half the amount of grain per acre, so that the grain will not be too thick to smother out the alfalfa. Alfalfa is the great hay crop for America and can be successfully grown in many localities. Alfalfa is of two types, the Domestic or Common, which has a long tap root which penetrates into the soil for a distance of 8 to 10 feet, and the Grimm Type, which has a spreading root system. The Grimm Type is considered the hardiest, although on certain soils and in certain localities the Hardy Common varieties will stand extremes of heat and cold equally well.

**COMMON ALFALFAS**—Most Common Alfalfas originate from seed brought from Spain to Chile and, in about 1850, to California. From California seed moved in all western states. Colorado Common, Utah Common, Idaho Common, Montana Common, and other Common Alfalfas are believed to be regional strains from this seedstock.

The Common Alfalfas can often be purchased by state origin but differences between them are insignificant. It is actually more sound to think of them in terms of region rather than state of origin.  
f.o.b. Denver (25 lbs. \$9.00) (100 lbs. \$33.50).

**BUFFALO ALFALFA**—A selection of Kansas Common, that has been chosen for its resistance to bacterial wilt. It is winter hardy and is recommended for Colorado and for high altitudes.  
f.o.b. Denver (25 lbs. \$11.50) (100 lbs. \$40.00).

**RANGER ALFALFA**—Ranger is a multiple strain variety carrying about 45% Cossack, 45% Turkistan, and 10%

Ladak blood. Ranger is variable in habit of growth and flower color and is classified within the variegated group. It is superior to Ladak and Cossack and equal to Grimm in rapidity of recovery after cutting. It is slightly more susceptible to leaf-spot disease than Grimm, but is equal to it in cold-resistance. Ranger is the most wilt-resistant Alfalfa available, and, even though it may yield slightly less per season than Grimm, longer life stands more than offsets this disadvantage.

f.o.b. Denver (25 lbs. \$11.50) (100 lbs. \$40.00).

**GRIMM ALFALFA**—The hardiest of the hardy alfalfas and differs from the domestic or common variety in that it has a spreading root system instead of the long tap root which is sometimes broken when the ground bulges, during the spring freezes, thus causing the plant to die. Highest grade seed. Very hardy and will produce a fine hay crop.  
f.o.b. Denver (25 lbs. \$11.50) (100 lbs. \$40.00).

**MEEKER BALTIC**—This hardy strain is produced in the same district in Colorado as the Moffat Grimm. It is of the Grimm type and by some authorities is considered the hardiest and most productive variety.  
f.o.b. Denver (25 lbs. \$11.50) (100 lbs. \$40.00).

**LADAK**—Originated in India, is very winter hardy and shows more variegation than most other varieties in this group. It produces an exceptionally heavy first cutting, and, even though second and third cuttings may be light, total seasonal yields are often higher than those of other varieties. Ladak is resistant to leaf disease, retains leaves well, and therefore produces hay of high quality. Ladak is more resistant to bacterial wilt than Grimm.  
f.o.b. Denver (25 lbs. \$11.50) (100 lbs. \$40.00).

50 lbs. supplied at the 100 lb. rate. If wanted by parcel post add postage at the zone rate.

SEE ADAPTATION CHART ON PAGES 44 AND 45

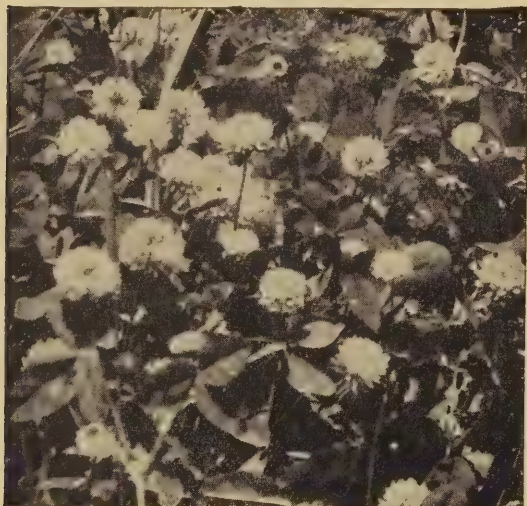


## SWEET CLOVERS

The culture of Sweet Clover is practically the same as for Alfalfa. Sweet Clover, however, will make an immense growth and if cut before it is too ripe makes excellent hay. It is also valuable for pasture for hogs, sheep and cattle. Like Red Clover, this is a biennial and should be renewed every other year. The seed may be sown in the late fall and winter, or early spring as well as in the summer. Sow 12 to 20 pounds per acre.

**WHITE BLOSSOM SWEET CLOVER**—White Blossom makes the rankest growth of any clover. It produces the biggest hay crop and is the best soil enricher and green fertilizer. It breaks up the soil, gathers nitrogen from the air and deposits it in the soil.  
Postpaid (5 lbs. \$2.75) (10 lbs. \$5.00).

**HUBAM SWEET CLOVER**—This is an annual White Sweet Clover that may be planted in April and will mature and make seed the first year.  
Postpaid (5 lbs. \$2.75) (10 lbs. \$5.00).



**YELLOW BLOSSOM SWEET CLOVER**—Is a biennial like the White Blossom Sweet Clover and differs from that variety only in that it is ten days earlier. Does not grow as tall, is more spreading in habit, makes finer hay or pasture.  
Postpaid (5 lbs. \$2.75) (10 lbs. \$5.00).

## CLOVERS

**ALSIKE OR SWEDISH CLOVER**—Grows well on low, wet land where Red Clover does not thrive. Alsike being a perennial, will last for a good many years, either for hay or in pasture. It makes fine hay of high feeding value. It is very valuable in pastures, especially on wet or heavy soil. Sow 6 to 10 pounds of seed per acre if used alone.  
Postpaid (5 lbs. \$4.25) (10 lbs. \$8.00).

**BIRDSFOOT TREFOIL CLOVER (Broadleaf)**—For pasture or hay, a perennial clover that will withstand moderate alkali, grown on many kinds of soil, withstands wide fluctuations of moisture and to take more general abuse than Ladino. Produces highly palatable nutritious forage with fine leafy stems that arise from a single crown. Flowers brilliant yellow. As far as can be determined it neither bloats nor scours. Do not expect too much growth the first season. Use 4 lbs. per acre.  
Postpaid (5 lbs. \$4.75) (10 lbs. \$9.00).

**LESPEDeza (Korean Clover)**—Lespedeza grows on poor soils and increases the fertility as well as improves the physical condition of the soil. It is an annual but will reseed itself each year so that only one sowing is necessary for a permanent pasture. For pasture about 8 pounds of seed is required per acre. On tilled land for hay or for a seed crop 10 to 12 pounds per acre should be sown. Korean Lespedeza is palatable to all classes of livestock, particularly cattle.  
Postpaid (5 lbs. \$2.75) (10 lbs. \$5.00).

**MEDIUM RED CLOVER**—Fits better into crop rotation than any other legume. It will increase the yield of succeeding crops besides furnishing many tons of hay of high protein content. It is a biennial which means that it will grow for two seasons only and then must be reseeded. Requires medium rich well drained soil. Sow 8 to 12 lbs. per acre.  
Postpaid (5 lbs. \$3.50) (10 lbs. \$6.00).

**MADRID SWEET CLOVER (Biennial)**—Introduced by the U. S. D. A. from Spain, it is lower growing, leafier and finer stemmed than the common variety. It is also later maturing and has greater seeding vigor. Makes excellent green manure crop as well as in pastures and for hay.  
Postpaid (5 lbs. \$3.50) (10 lbs. \$6.50).

**MAMMOTH RED CLOVER**—Resembles Medium Red Clover but grows taller and the hay is coarser. It is hardy and valuable for fertilizing poor soil. Sow 8 to 12 lbs. per acre.  
Postpaid (5 lbs. \$3.50) (10 lbs. \$6.50).

**STRAWBERRY CLOVER (Trifolium Fragiferum)**—Is primarily a pasture crop. It thrives on wet, seepy ground, which may be crusty with alkali and is apparently more resistant to alkali than any other clover. It is capable of spreading and establishing itself by its stout creeping runners. Three to five pounds will seed an acre.  
Postpaid (lb. \$2.25) (5 lbs. \$11.00) (10 lbs. \$21.50).

**LADINO CLOVER**—Is regarded as a tall form of White Dutch Clover. It is a low growing, leafy plant with succulent and somewhat coarse stems. Sow in the spring or fall, sow 7 to 8 pounds per acre.  
Postpaid (5 lbs. \$4.75) (10 lbs. \$9.00).

## BUCKWHEAT

Buckwheat is easily raised and will make profitable crops on rather poor land, where other grain would fail. It is also largely used as a cover crop in orchards. Sow in June or July, using 50 pounds of seed to the acre.

**JAPANESE**—This is the largest buckwheat. The plant makes a more vigorous and larger growth than the common kind and yields more.  
Postpaid (5 lbs. \$2.00) (10 lbs. \$4.50).

## FLAX

**WILT-RESISTANT**—Flax is the best and most profitable crop for sod or new lands, growers frequently realizing more from flax on sod than from wheat on old ground. Sow early, as soon as possible after danger from frost has passed. To raise seed sow one-half bushel per acre; for fibre, one bushel.  
Postpaid (5 lbs. \$2.25) (10 lbs. \$4.00).

## FIELD OR STOCK PEAS

Field Peas are an important class of Legumes and should be more generally planted. Valuable for hay crop or fertilizer. Field Peas are usually grown with Oats, for hay, a combination equal in feeding value to clover hay. They contain more digestible crude protein and fat than Alfalfa and Corn. When grown with oats, they are threshed together, and easily separated with a fanning after threshing. Drill the Peas in four inches deep, as early as the ground can be worked at the rate of 90 to 100 pounds per acre. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way, 50 pounds per acre. If the oats are sown with the peas, they grow too rapidly and check or smother the growth of the peas.

**COLORADO STOCK PEAS (White)**—Are extensively grown in the mountain districts, are very hardy and if mixed with oats or other grains, make very nutritious hay. If permitted to mature, make excellent feed for fattening sheep or hogs.  
Postpaid (5 lbs. \$1.25) (10 lbs. \$2.00).

## DWARF ESSEX RAPE

An excellent forage crop for sheep and hogs, belongs to the cabbage family. It produces a mass of broad, smooth leaves which are greatly relished by sheep and hogs. It can be pastured off and when stock is removed, if not eaten too close, it will grow up again and give a second crop. It does best on rather moist land, but will do well in any good soil. The seed is usually sown broadcast, using about 5 pounds per acre. Sow from the first to the middle of August. If sown broadcast on corn ground after the last cultivation it makes good pasture after the corn is removed.

Postpaid (5 lbs. \$2.50) (10 lbs. \$4.50).

## SUNFLOWER

Quite extensively grown for feeding. Sow in rows 3 to 3½ feet apart and thin to a foot apart in the rows. Treat the same as corn. Use 10 to 12 pounds of seed per acre. Sunflower are often used to mix with corn when filling a silo. It is claimed that the mixture makes a better ensilage than pure corn.

**MAMMOTH RUSSIAN**—The variety commonly used to produce seed and for filling silos. The heads are often one foot across and are filled with striped seed which makes most excellent feed for poultry.

Postpaid (5 lbs. \$3.75) (10 lbs. \$6.50).



## FIELD CORN

10 pounds will plant an acre. The proper selection and care of Seed Corn is more important and exacting than the average grower realizes, and in appearance corn suitable for seed purposes is often deceiving and its seed qualities can only be determined by actual tests for germination and vitality. Our Seed Corn is strictly Colorado grown (except the ensilage and Hybrid varieties), is acclimated and will ripen earlier than eastern grown seed.

### OPEN POLLINATED VARIETIES

**WHITE AUSTRALIAN**—A hardy flint corn, adapted for cool climates, short seasons and dry lands. Ears are medium size, kernels are white, smooth, shallow, round and flinty.

**COLORADO No. 13**—A selection out of Minnesota No. 13 by our State Agricultural College, bred for earliness and high yielding quality. The most widely used Yellow Dent variety, maturing in 100 to 110 days.

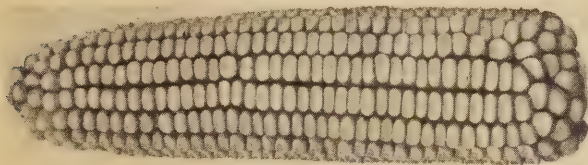
**REID'S YELLOW DENT**—110 days. Suitable for Southeastern Colorado, and the Arkansas Valley. It produces high yields of showy ears well filled to the tip of well dented deep yellow kernels. Leaves and stalks make finest ensilage and fodder.

**COLORADO YELLOW DENT**—This is a variety of Yellow Dent Corn developed in Colorado and is especially well adapted for planting in the dry-land district and in the north, as it is very drought resisting and matures early. Fine for grain, fodder or ensilage.

**COLORADO WHITE DENT**—A corn very similar to Colorado Yellow Dent except in color. A White Dent variety that has been bred for earliness and will make a better yield per acre than the Yellow Dents, especially on thin soils.

**BLUE SQUAW**—It is extremely early and of very dwarf habits. Average length of ears  $7\frac{1}{2}$  inches, grain of dark purple color and sugary. Better for hogging down than the White or Yellow Flints as the grain is not as hard. Ready to use in about 70 days.

Any of the above varieties  
Postpaid (5 lbs. \$1.50) (10 lbs. \$2.50)



### MILLET

Millet is a wonderful forage and hay crop. It affords a quick, luxuriant growth of hay of good feeding value and requires no cultivation. Millet may be fed green or cured. The value of Millet for late planting and emergency crops after others fail should not be overlooked. They can be planted late in July and still make considerable forage. Sow about 20 pounds to the acre.

**WHITE WONDER**—A variety which has taken the place of common millet and has qualities superior to other varieties. It is early, the heads are very large and long, and the foliage is heavy yet easily cured.

**MANITOBA OR HOG**—A valuable peculiarity of Hog Millet is that seed ripen while the hay is yet green, which, if cured at the proper time, can be threshed for seed, while the hay makes excellent fodder after being threshed.

**SIBERIAN OR RED RUSSIAN**—Earlier, more hardy, rust-proof, and less liable to damage by insects, an extremely heavy cropper; stalks tall, and of finer quality than any other sort. Best variety for hay.

**GERMAN OR GOLDEN**—This is one of the best forage plants grown in this country. Under ordinary conditions will produce from 4 to 5 tons of hay per acre, and from 50 to 75 bushels of seed. When sown early it leaves the ground in splendid condition for wheat.

Any of the above varieties  
Postpaid (5 lbs. \$2.00) (10 lbs. \$3.50)

### VETCH

Vetches, either green or as hay, make excellent feed and are also used extensively as cover and green manure crops. They make good hay, ensilage, pasture and green feed and are very valuable as a green fertilizer and as a cover crop in orchard preventing the washing away of the soil.

**WINTER, SAND OR HAIRY VETCH**—Is very winter hardy and is a fine crop to sow in the fall following harvest of crop. Sow 60 lbs. per acre. May also be seeded in the fall with winter rye for a hay crop, about August 1 to 20 using about 30 lbs. of Vetch and 40 lbs. of Fall Rye per acre.  
Postpaid (5 lbs. \$2.75) (10 lbs. \$5.00).

**SPRING VETCH**—Sow in the spring at the rate of 60 lbs. per acre or with a grain crop such as oats, wheat, rye or barley, at the rate of 30 lbs. per acre and using one-half of the normal rate of small grain. This combination makes excellent forage or hay and also aids in preventing the Vetch from lodging.

Postpaid (5 lbs. \$2.25) (10 lbs. \$4.00).

### FORAGE SORGHUMS

**CULTURE**—For forage crops, sow 50 to 75 pounds per acre; for grain, 5 to 6 pounds, in rows and cultivate the same as corn. Forage is very palatable to stock.

**BLACK AMBER CANE**—Is the best known and is the favorite on account of its earliness and resistance to drought.

**MIXED CANE**—This is valuable as a forage crop. Do not plant for a seed crop.

**LEOTI RED**—A highly recommended sorghum, for Colorado. Produces a semi-compact reddish head that droops slightly at the tip when ripe. The stalk is sweet, juicy and leafy. Matures at about average frost time if planted between June 1st and 6th.

**ORANGE CANE**—A heavy yielding variety grown for forage and silage. It is rather late in maturing seed, as it takes from 100 to 110 days.

**RED TOP OR SUMAC CANE**—Very desirable for forage as the stalks are sweet and very leafy. The seed shells out clean like the grain sorghums and is better for feed than other varieties of Cane.

**COES SORGO**—Is a Kafir-headed sorgo with a long, compact head and fine stem, high in sugar contents. Suckers profusely making large quantities of fine leafy feed. The grain is equal to feeding value of Kafir.

**NORKAN**—An early forage sorghum, white seeded, drought resistant, produces big yields under favorable conditions, grows and looks like Atlas Sorgo.

Any of the above varieties  
Postpaid (5 lbs. \$2.00) (10 lbs. \$3.50)

### GRAIN SORGHUMS

**CULTURE**—For forage crops, sow 50 to 75 pounds per acre; for grain, 5 to 6 pounds in rows and cultivate the same as Corn. Forage is not quite as palatable for stock as the Sweet Sorghums.

**WHITE KAFIR (Dwarf Black Hull)**—Usually grows 5 to 6 feet tall in the dry land areas. Heads are heavy and compact, 10 to 14 inches long with black hulls and white seeds. The grain makes good feed for poultry and cattle.

**HEGARI**—This is one of the earliest maturing of the grain sorghums. It is very similar to Kafir. The grain is nearly equal to corn in feeding value. The stalks are leafy and make excellent fodder.

**MILO (Sooner or Sixty Day)**—A non-saccharine sorghum of high feeding value. This is the plant that is being so largely raised for its grain in the dry plains of eastern Colorado and western Kansas. The seed is larger than the seed of Kafir and not as hard and equal to corn in feeding value for stock and poultry.

**MARTIN'S COMBINE MILO**—An extremely short, stocky straight shanked Milo. Has erect heads and seeds—threshes free from the glumes. The seeds are yellow and of large size. Strictly a combine type grain sorghum.

**NORGHUM**—A new early maturing yellow grain sorghum. Combine type, especially good in short season areas.

Any of the above varieties  
Postpaid (5 lbs. \$2.00) (10 lbs. \$3.50)

### SUDAN GRASS

**SUDAN GRASS, for Hay and Pasture**—Sudan Grass is strictly an annual, and dies each year like millet. Sudan Grass is tall, reaching a height of from 7 to 9 feet. The stems are small and are rarely larger than a lead pencil. The plant stools wonderfully and produces, under favorable conditions, as many as 100 stalks from a single root.

Postpaid (5 lbs. \$1.50) (10 lbs. \$2.50).

**SWEET SUDAN**—A greatly improved Sudan Grass from a hybridization of Leota Red Sorghum on Common Sudan. It has great palatability, livestock eating it to the ground before touching common sudan or other forage sorghums. Sweet Sudan has broader leaves, larger stems and makes taller growth, stooling heavier than common Sudan. It is a truly great improvement over common Sudan.

Postpaid (5 lbs. \$2.00) (10 lbs. \$3.50).

### NOTICE

ALL CANE AND SORGO SEED OFFERED ARE  
FOR FORAGE PURPOSES ONLY

ASK FOR SPECIAL QUANTITY PRICES ON FIELD SEEDS  
AND FARM SEEDS



# Jacques Proven HYBRID SEED CORN

Available for 1954 Planting



Note uniformity of ears of Hybrid Corn on right against ordinary Corn on left. Hybrid Corn will outyield open pollinated varieties of the same maturity by 15 to 25%.

## JACQUES

**802** Developed especially for the north-most areas of corn production where a truly early dent-type is desired. The stalk stands 6½ ft. tall with ears well placed uniformly 2½ ft. from the ground, making it easy to harvest. These ears are generally well filled to the tip with 12 to 14 rows of good sound yellow kernels of high feeding quality.

## JACQUES

**803** This hybrid is produced by crossing our earliest dent parentage with selected flint inbreds, thus attaining a flint dent hybrid in which the inherent qualities of cold tolerance and rugged adaptability are properly combined to produce a desirable corn for our western areas. The plant is 6 ft. tall and somewhat crooked stalked. The ears are long and rather slender, having 8 to 10 rows of medium closed packed, hard dent kernels on a small white cob.

## JACQUES

**853-J** Sturdy stalked plant 6½ ft. tall with wide dark green leaves. The ears are thick and well filled with deep kernels on a medium sized cob and are attached to the stalk by a 4 to 6 inch shank which allows them to droop in early maturity.

## JACQUES

**854-J** The inbred parents have been carefully chosen for cold tolerance as well as good combining ability. The stalk is somewhat more sturdy than other of like maturity and the leaves are of medium width and thickness. There is a larger tassel that assures better pollination under adverse conditions.

### BETTER FEED VALUE

Jacques corn makes big kernels with large fatty germs, packed with protein and surrounded by much mellow soft starch. The leaves are broad, long and thick, making better ensilage, too.



### MORE AND DEEPER ROOTS

Bred into this corn is the "will" to reach deep for moisture and food, and to firmly anchor the stalk.

Maturity Comparisons based on University of Minnesota Miscellaneous Report No. 17 of March, 1953

Comparable in Maturity to: **Pride D1A** Wis. 255

Comparable in Maturity to: **Wis. 279** **Pride B3** **Kingscrot KE-2, KE-3**

## JACQUES

**901-J** This excellent early hybrid combines the durability of proven inbred lines with an early selection form, a commonly used high yielding, soft, starched corn belt inbred. This dark green sturdy plant stands 7 ft. tall, the ears are large and filled nearly to the tip with 16 rows of densely packed rich yellow kernels on a medium cob that begins to protrude from its husk as it ripens. Cold tolerance is inherent and a good stand can be expected from this variety.

## JACQUES

**907** This red-yellow hybrid combines the durability and high yield factors of a northwestern dent with early yellow dent inbreds. Excellent cold resistance and high versatility. Stalk 8 ft. Sturdy tapered and filled almost to the tip with rather thick reddish yellow kernels on a red cob. Because of its added height 907 is often preferred for ensilage or fodder corn.

## JACQUES

**956-A** The sturdy, well rooted stalk is normally 6½ to 7 ft. tall and carries its ears 32 inches high. The leaves are heavy, dark green, and have an erect growth habit. The ear is thick with deep kernels on a medium cob; as harvest nears the husks begin to loosen, thus enabling clean picking.

## JACQUES

**957-JA** Better insect resistance and improved cold tolerance, the stalk is 7½ ft. tall of medium diameter and tends to be somewhat crooked above the ears. Leaves are of medium size and in early growth stand rather stiff and erect. The tassel is a good pollinator even under adverse conditions.

## JACQUES

**1004-J** New improved 1004, the stalk is heavier and the ears somewhat longer than its predecessor, but it has retained the excellent uniform appearance and the ear quality made it a favorite. Husking quality is much improved. Because of its disease resistance and strong stalk quality this hybrid does not die as early as do some others of like maturity and final drying out of the ear may at times be somewhat delayed.

## JACQUES

**1053-J** The combination of two newly developed inbreds with early selections of two old corn belt standard lines has produced a new and different hybrid. The stalk is comparatively short, standing approximately 6 ft. in height with a wide, thick waxed leaf structure and well developed brace roots. Practically no smut or aphid damage has been observed on this hybrid.

## JACQUES

**1055-J** A top yielder over a wide area on many soil types, it not only produces unheard-of yields but produces dependably season after season. The plant is very sturdy, with broad waxy thick leaves. The medium rough dent kernels contain much mellow soft starch surrounding a fat and protein packed germ.

Comparable in Maturity to: **Wis. 275** **Minhybrid 706** **Pioneer 396** **Funks G-25, G-188** **DeKalb 43, 46**

Comparable in Maturity to: **Minhybrid 602** **Kingscrot KA4, KH3** **Pioneer 382** **Funks G-35A**

Comparable in Maturity to: **Wis. 464** **Kingscrot KS2, KS4** **DeKalk 56, 65** **Pioneer 377A** **Funks G-177**

Comparable in Maturity to: **Wis. 525** **Kingscrot KS6, KL** **Pioneer 379A, 372** **Funks G5, G6, G68**



# Jacques Proven HYBRID SEED CORN



**BETTER STANDING STALKS**—Jacques corn is inherently resistant to the diseases that cause stalks to break and lodge and ears to fall off.

## JACQUES

**1103-J** This hybrid combines great stalk and root strength with high resistance to corn borer damage. Also the ears are held close to the stalk and will not drop even under unusually high wind conditions. The plant is medium tall and stands exceptionally straight throughout the fall. This hybrid is the first of a series of a new insect and disease resistant corn varieties.

## JACQUES

**1107-J** One of its strong points is its ability to produce well on almost any soil type. Matures rapidly in the fall, assuring a large crop of sound dry ears at picking time. The medium height stalk is exceptionally sturdy with wide dark green leaves with compact rows of medium dent kernels of excellent feeding quality.

## JACQUES

**1153-J** No other hybrid has met with such a rapidly increasing demand as has this remarkable three-way cross. Although it was developed particularly for growing on only the better soils its popularity has become wide spread. The heavy stalk is of medium height with extra wide, dark green waxy leaves. The ears are uniformly large with 20 to 24 rows of very deep rough dent soft starch kernels of rich yellow color. It is an easy and clean husker but does not drop ears, and well worth the \$1.00 extra per bushel.

## JACQUES

**1157-JA** Inbred lines originating in 4 different corn belt states have been combined to bring together the best qualities available, each parent has added certain specific characters such as stalk rot resistance, sturdy stalk with strong root development, medium soft starch for good feeding quality, and quick drying for safe early cribbing. It is dependable and versatile and will do well on any type of corn land.

*Comparable in Maturity to:*

*Wis. 575  
Kingscrot KO  
DeKalk 63, 240  
Pioneer 349, 373  
Funks G21, G26*

*Comparable in Maturity to:*

*Wis. 641A  
Kingscrot KR2  
DeKalb 408, 410  
Pioneer 352, 347  
Funks G-28*

## JACQUES

**1205-J** The thick, sturdy, well rooted plant stands 9½ ft. tall with rich green medium thick somewhat wrinkled leaves. Ears are placed 3 ft. from the ground and are held close to the plant by a short sturdy shank. Wide adaptability to soil types and is an excellent yielder of high quality.

## JACQUES

**1208-J** The stalks attain a height of 11 to 12 ft. with ears placed 4 ft. high on a medium sturdy shank. The kernels on this large ear are thick, deep, well dented, and of medium soft starch. This hybrid combines excellent feeding qualities both for ensilage and ear corn.

*Comparable in Maturity to:*  
*Wis. 692*

*Kingscrot KY  
DeKalk 404-A  
Funks G-29*

## Prices of All Certified JACQUES Hybrids

All Hybrid Corn is State sealed and certified in bushel bags of 56 lbs. and is treated, ready to plant. One bushel will plant 7 to 8 acres.

## JACQUES CHOICE FLAT KERNEL GRADE—

\$11.90 per bu. of 56 lbs., f.o.b. Denver (except Strain 1153-J).

## JACQUES CHOICE FLAT KERNEL GRADE—

STRAIN 1153-J—Three-way Cross.

\$12.90 per bushel of 56 lbs., f.o.b. Denver.

## SIB-BRED

An entirely new kind of corn with the stock strength and disease resistance of Hybrid at a price comparable to open pollinated.

**SIB-BRED No. 1F**—Flint dent, falconer maturity.

**SIB-BRED No. 1**—Colorado No. 13 maturity.

**SIB-BRED No. 2**—Minnesota No. 13 maturity.

**SIB-BRED No. 3**—Reid's yellow Dent maturity.

Put up in bushel bags of 56 lbs.

## Sib-Bred—Flat Kernel Grade—

\$7.45 per bushel of 56 lbs., f.o.b. Denver.

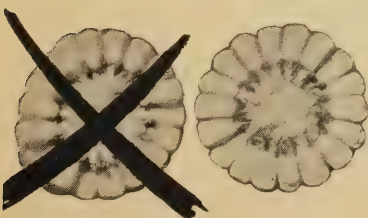
## SILO SALAD

A blend of evenly sized choice kernels blended for each maturity zone so that the crop will be just right for the silo. It will make a good ear on practically every stalk and in the field there will be many well matured ears to give the silage extra richness and extra palatability.

Round Kernel Grade—\$16.00 per 100 lbs., f.o.b. Denver.

Flat Kernel Grade—\$18.00 per 100 lbs., f.o.b. Denver.

FOR BEST RESULTS PLANT



**MORE CORN ON THE COB**

Not just the size of the ear, but the depth of kernel, the high shelling percentage, accounts for the bigger weighed yields of dry, shell corn.

# Jacques Proven HYBRID SEED CORN





# VIGORO

## Complete Plant Food

A PRODUCT OF SWIFT & COMPANY

A complete plant food, especially prepared to furnish grass, trees, shrubbery and flowers the plant elements necessary for maximum growth and flowering. It is free from dust, has no unpleasant odor, and is easy and pleasant to apply.

Not Postpaid (lb. 15c) (5 lbs. 55c) (10 lbs. 95c) (25 lbs. \$1.90) (50 lbs. \$2.95).

## INSTANT VIGORO

Vigoro is now available in a highly concentrated, completely water-soluble form. It is designed for gardeners who prefer to use liquid fertilizers entirely or to give supplementary quick feedings to lawns, gardens, shrubs and trees, either through the soil or by foliar applications. It can also be used in making starter solutions for transplants and liquid fertilizers for house plants.

Price— $\frac{1}{2}$  lb. cans 80c; 1 lb. \$1.25; 3 lbs. \$3.00; 25 lb. drum \$13.25. Postpaid.

## NITROGENIC FERTILIZER

All organic fertilizer with analysis of 5% Nitrogen and 4% available Phosphoric Acid. Packed in 80 lb. bags. \$4.00 each f.o.b. Denver.

## Mountain ORGANIC COMPOST

A natural, living soil conditioner of composted Mountain Peat, Sheep Manure, Barnyard Manure and natural minerals. 10 lb. pkg. \$1.25; 50 lb. bag \$3.50 f.o.b. Denver.

## Mountain PEAT and SHEEP MANURE

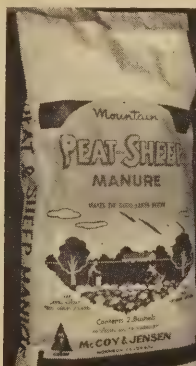
A mixture of half peat and half sheep manure. 2 bushel bags, \$2.25 ea. f.o.b. Denver.

## Mountain SHEEP MANURE

2 bushel bags, \$2.25 each f.o.b. Denver.

## Mountain PEAT HUMUS

2 bushel bags, \$2.25 each f.o.b. Denver.



## FERTILIZERS

# RA-PID-GRO



the  
Foliage Plant Food  
Analysis 23-21-17 with  
Minor Elements,  
Vitamins and Growth  
Hormones  
Good for All Crops

For better growing, fruiting and flowering results. We strongly recommend this sensational plant food! A clean, odorless powder, instantly soluble in water. Easy to apply!

**EVERY POUND OF RA-PID-GRO  
MAKES 22 GALLONS OF PLANT FOOD**

### How to Estimated a Season's Requirements

We recommend for each 100 lbs. of other fertilizer used in the past—purchase only 1 lb. of RA-PID-GRO.

Lot 30x60 feet—with approximately 10 shrubs, 2 shade trees, 2 fruit trees, 1 dozen roses and lawn of 600 square feet requires 3 pounds of Ra-Pid-Gro for season's feeding.

1 lb. ....	\$ 1.25	10 lbs. ....	\$ 8.75
2 lbs. ....	2.35	25 lbs. ....	21.00
5 lbs. ....	4.50	50 lbs. ....	42.00

Postpaid

## NORTHRUP KING TURF BUILDER

Analysis 10-6-4 with organic base, apply 20 to 40 pounds per 1000 square feet in spring and fall. 50 lb. bags \$4.75 each f.o.b. Denver.

## FERTILEZE

New water soluble fertilizer with a 20-10-20 analysis plus 14 major and trace minerals in a convenient soluble form. Recommended by Louis Bromfield.

Comes complete with sprayer and 12-12 oz. packages of Fertileze (one package will cover 1500 square feet of lawn area). Sprayer is equipped with 3-way push button control for full and half feeding speed and plain water spray. Sprayer also useful for insecticides, fungicides, washing car, etc. \$9.95 Postpaid.

# SACCO

## PLANT FOOD

Makes things Grow!

Sacco has many times the actual plant food value of ordinary manure and is free from offensive odors. A single application brightens a lawn in one week's time and produces an extraordinary growth and bloom among flowers and shrubbery. Easy to apply. Full directions on each package.

Not Postpaid (2 $\frac{1}{2}$  lb. pkg. 25c) (5 lbs. 50c) (10 lbs. 90c).



The Double Acting Lawn Food  
Kills Weeds  
Feeds Grass

Just Spread It on Your Lawn

Wedo should be applied evenly over the lawn with a lawn spreader. Apply 1 $\frac{1}{2}$  to 2 pounds per 100 square feet (10 feet by 10 feet). Less than 1 $\frac{1}{2}$  pounds is apt to give poor weed control. Wedo controls the following weeds: Buckthorn, Burdock, Dandelion, Ground Ivy, Gypsum Weed, Nettle, Lawn Pennywort, Mustard, Pigweed, Plantain, Ragweed and Sow Thistle. Wedo should not be used on Creeping Bent lawn, on flowers, shrubs or vegetables, or in preparing new lawn for seeding. **Not postpaid:** (7 $\frac{1}{2}$  lb. pkg. \$1.00) (25 lb. bag \$2.75) (50 lb. bag \$4.50).

# GRO-STUF

## A Concentrated Liquid Fertilizer

Now, in one product, you get all the proved chemicals **plus** the necessary trace elements and hormones that are needed to produce luxuriant, disease-resistant growth in trees, shrubs, vegetables, flowers, lawns. **Everything** in Gro-Stuf contributes directly to the growth of the plant—there is no "filler". And **everything** plant life needs to produce more abundantly and more beautifully will be found in Gro-Stuf. It pays to give your plants all the nourishment they need. Gro-Stuf is a complete 20-20-20 plant food.



5-oz. can \$ .49  
1-lb. can \$1.25  
4-lb. can \$3.75  
Postpaid





## ACP Rose & Floral Dust

Now, for the first time, complete protection with **one product!** ACP Rose & Floral Dust is a fungicide, insecticide, aphicide and miticide all in one. It contains Lindane, DDT, Ferbam, sulfur and the new chemical Ovotran, which eliminates mites that suck life sap from leaves. Use as dust or spray.

8-oz. Dust Gun Package \$1.00  
1-lb. canister \$1.49

## ROOTONE

Now you can root cuttings with your old dependable Rootone, the famous plant hormone powder, and at the same time protect them against damping-off and other soil-borne diseases. A "must" for successfully starting cuttings.

Trial packet 25c 2-oz. jar \$1  
1 lb. \$5.00

## TRANSPLANTONE



Use Transplantone, the hormone-vitamin combination, to prevent wilting when you set cut seedlings or transplant grown plants. Save tomatoes, lettuce, cabbages, peppers, zinnias, pansies, azaleas, evergreens from transplanting shock.

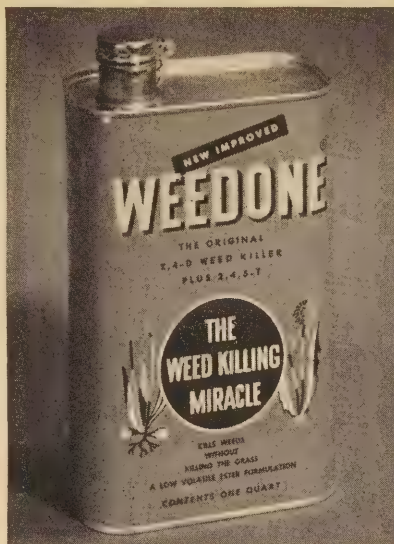
Trial packet 25c 3-oz. canister \$1  
1 lb. \$4.00

## FRUITONE

Spray Fruitone, the fruit setting compound, on tomato buds at blossoming time, and each one will set more big meaty tomatoes. Treat limas and string beans, too.



Trial packet 25c 2-oz. canister \$1



## Improved WEEDONE

### The Weed-Killing Miracle

Weedone contains powerful 2,4,5-T, as well as 2,4-D. It's the butoxy ethanol ester weed killer which does not give off vapors injurious to nearby flowers, vegetables and shrubs. Weedone kills dandelions, plaintains, Japanese clover, poison oak, wild blackberry and over 100 other weeds and woody plants. Here's one weed killer that never lets you down. Can be sprayed on growing and dormant plants.

8-oz. can \$1; 1-qt. can \$2.75;  
1-gal. can \$6.75; 5-gal. can \$24.75



### WEEDONE PLASTIC APPLICATOR

Cap fits any screw-top gallon jug and makes handy 1/2-oz. measure. All plastic; no sharp edges to cut or scratch hands.

59c

## WEEDONE ACP CRAB GRASS KILLER

Here is a new and more efficient crab grass and chickweed killed. To a 53.8% potassium cyanate formulation we have added a highly effective herbicide known as MCP. This chemical kills such lawn weeds as dandelion, plantain, buttercup, heal-all, purslane, veronica, pannywort and wild carrots without killing the grass or clover.

Recommended for use when complete renovation program to kill crab grass and broadleaf weeds is desired. If only broadleaf weeds are to be controlled, use Improved WEEDONE.

6 1/2-oz. can (treats 1500 sq. ft. of lawn) \$1.25; 26-oz. (treats 4800 sq. ft. of lawn) \$3.75—Postpaid.

# ACP SOIL CONDITIONER

A great new 2-products-in-1 material containing the two best soil-conditioning chemicals (hydrolyzed polyacrylonitrile and the new modified vinyl acetate maleic acid compound), plus plant hormones and essential mineral elements, fertilizer.



May be used as a dust (as packaged) or mixed with water and applied with a sprinkling can.

ACP Soil Conditioner is properly formulated for improving and stabilizing soil structure. It will prove of great benefit when preparing flower and vegetable gardens, planting shrubbery, building a new lawn or repairing bare spots. Use it also for making potting soil for house plants.

With ACP Soil Conditioner you can change your clay soil to rich tilth as you cultivate. Simply apply to surface and cultivate as usual. The result is better moisture retention and soil texture. Also apply on seed beds and lawns after seeding to provide a topsoil mulch for faster germination.

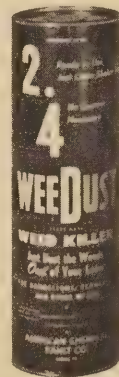
Trial shaker canister 80c  
2 1/2-lb. shaker canister \$2.80

## WEEDUST

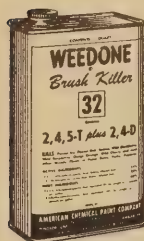
The 2,4-D Weed Killer  
in Dry, Powder Form  
No Mixing with Water  
No Spraying

Ideal for the lawn with only a few scattered weeds. Just shake a pinch of WEEDUST on each weed. WEEDUST is packed in a 12-oz. ready-to-use shaker canister.

12-oz. canister \$1.00







### NEW WEEDONE '32' BRUSH KILLER

This most powerful combination of new 2,4,5-T PLUS 2,4-D kills over 100 kinds of woody, hard-to-kill plants like poison ivy, oak, willows, brambles, etc., as well as thistles and other perennial weeds, without destroying pasture grass. Gives good kill spring, summer, or fall, without vapor injury to nearby susceptible crops. Prevents re-sprouting of tree stumps. Write for Free Bulletin.

Postpaid: 1 qt. (makes up to 25 gals) \$3.75. Gallon \$7.95.

### SODIUM SALT—70% 2,4-D

For spray application to the leaves of such weeds as dandelion, plantain, mustard, chickweed, morning glory or bindweed, dock and ragweed. Kills the weed without killing the grasses. Use 1½ pounds Sodium Salt 70% 2,4-D to each 100 gallons of water and spray the leaves of the weeds thoroughly. 200 gallons of spray per acre gives good coverage.

(5 lb. pkg. \$6.25) (10 lbs. \$11.50) (50 lb. drum \$50.00).

### WEED KILLERS



The home gardener tired of battling weeds with a hoe will have a chance to switch to chemical warfare this summer by utilizing one of the newly developed pre-emergence herbicides, chemicals which kill weeds before they get a start.

Crag Herbicide 1 destroys such weeds as purslane, pigweed, chickweed, carpetweed, crabgrass and foxtail for three to six weeks, acting in the upper layer of soil where the seeds germinate. Since it is unable to distinguish between weed seeds and those of desirable plants, however, it should be used only after the plants have become well-established, with roots.

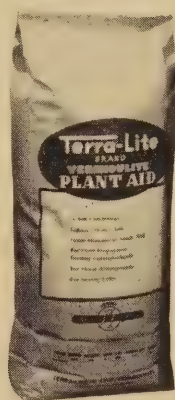
Used successfully by commercial growers on strawberries and sweet corn for the last two years, Crag Herbicide 1 now has been approved for garden use with a sizable range of perennial flowers and shrubs, as well as with certain vegetables and small fruits.

4 oz. can (treats 3000 sq. ft.) \$1.50; 2 lb. pkg. (treats one acre) \$4.50. Postpaid.

### POLYBOR-CHLORATE WEED KILLER

Apply Wet or Dry, Non Fire-Hazardous!

A combination of borates and sodium chlorate makes this an outstanding herbicide . . . easy to use, fast acting yet having residual effect. Polybor-Chlorate is non-selective; it is toxic to ALL types of vegetation and quickly destroys weeds and grasses. Although intended for spray application, it may be applied in its dry form with equally effective results. Polybor-Chlorate is an excellent weed killer for use on gravel paths, ditches, fence rows, and other areas to be kept free of vegetation. It is widely used by railroads, highway commissions, industrial concerns, and petroleum companies . . . they know it is effective and thrifty to use. 50 lb. bags \$7.50; 100 lbs. \$14.50 f.o.b. Denver.



PLANTS THRIVE  
BETTER  
FASTER  
in

**Terra-Lite®**

Nature's Own  
Mineral Soil  
Conditioner

Miracle-working Terra-Lite is a permanent soil conditioner that lightens and aerates heavy clay soil . . . gives sandy soils more body, better water retention. Promotes vigorous root growth, improves action of fertilizer!

Postpaid 12 oz. pkg. 70c; 3 lb. pkg. \$1.35; 4 bu. size \$2.25 f.o.b. Denver.

## ORTHO-TIL

Chemical  
SOIL  
CONDITIONER  
SOLUBLE FORM



For improving the physical structure of the soil, principally clay or hard to handle "Problem" soils. When properly used it binds together individual clay particles into small clusters or granules, producing a porous, friable, stable, easily worked treated area. It improves water absorption and aeration of soils.

Easy to use on established flower and vegetable beds, window boxes and pots. Gives excellent erosion control. 1 lb. pkg. covers 200 square feet of surface.

1 lb. pkg. \$3.50 Postpaid

## Krilium SOIL CONDITIONER

You've read and heard of its benefits from garden authorities in thousands of magazines and newspapers, on the radio and television. Soon you can experience these selfsame results in your own garden. You'll prepare the soil as you always have—dig, break up the clods, fertilize if needed, level off. All you do that's new is mix in Krilium and then water your garden plot. Even clay or silt stays granular, porous . . . holds moisture without lumping or packing. Roots get more air and water, grow faster and stronger in loose, loamy soil. And these results are not for just a summer . . . the soil stays Krilium-conditioned for years.

Available in 1-lb. (\$1.39) and 5-lb. (\$4.95) sizes



National  
**Eezy Wear**  
Garden Gloves

SOFT  
DIRT PROOF  
WASHABLE

All leather, dust-proof, soft as kid. Ideal gloves for men or women, made from select, special processed leather. Economical, complete protection. Sizes: Men's Small, Medium and Large; Ladies' Small, Medium and Large. Per pair \$1.75.

### PENTADINE CONCENTRATE No. 10 WOOD PRESERVATIVE (Pentachlorophenol Base)

For the control of decay and termite infestation of wood products, timber, post, lumber poles, millwork. Affords protection against mildew, borer mold, blue stain and powder post beetles. Dilute Pentadine Concentrate No. 10 with 10 parts of kerosene or light fuel oil. Ten gallons will treat 1000 sq. ft. by open tank method or 2000 sq. ft. by brush application. 1 gal. cans, \$3.20; 5 gal. cans, \$15.00 f.o.b. Denver.



## PRATT'S INSECTICIDES



### D-X INSECT SPRAY

The garden spray that packs extra killing power—gives the thorough control your customers want. Contains pyrethrum, piperonyl cyclonene and rotenone. Gives a more complete kill of sucking and chewing insects, yet is non-poisonous to man and warm-blooded animals. (1 oz. 35c) (4 oz. \$1.00) (8 oz. \$1.75) (qts. \$5.55), Large Sizes quoted on request. Postpaid.

### D-X AERO-SPRAY

Everyone who has house plants will want D-X Aero-Spray—the new low-pressure aerosol-type bomb that makes it easy to kill insects on flowering and foliage plants. Contains pyrethrum, piperonyl cyclonene and rotenone. Kills aphids, spider mites, thrips, mealy bugs, white fly and other insects. Non-poisonous to people or pets. 10 oz. bomb, postpaid \$1.65 each.

### SCALECIDE

A miscible oil spray containing a combination of vegetable and mineral oils that is well-known as one of the safest and most effective dormant sprays for fruit trees, shade trees, shrubs and evergreens. Scalecide is used for the control of scale, aphids, red mite, brown rot cankers, and has a great effect on the vigor and vitality of your trees. (qts. \$1.25) (gals. \$2.75) (5 gals. \$9.50) (larger quantities quoted on request), F.O.B. Denver.

### PARA-SCALECIDE

The safest and most effective method of peach borer control for both young and old trees. Para-Scalecide is diluted with 7 parts of water and poured against the base of the trees during the early Fall or late Spring. Save time and labor. (qts. \$1.50) (gals. \$3.25), F.O.B. Denver.



### PRATT'S FRUIT TREE SPRAY

Here's a complete spray in one package that gives fruit trees complete protection. Contains sulfur, DDT, and basic lead arsenate—kills both fungus and bugs. Protects apples, pears, quinces; also peaches, plums, cherries and other fruit. 3 lb. pkg. \$1.60 each postpaid.

### SULFOCIDE

A concentrated soluble sulfur fungicide which, when sprayed on plants or foliage, precipitates an extremely fine colloidal sulfur that controls many fungous diseases of flowers, fruits and vegetables. D-X and Sulfocide in combination make a safe, effective and practical all-purpose spray for controlling insects and fungous diseases in the home garden. (pts. \$1.05) (qts. \$1.50) (gals. \$3.15) postpaid.

### SUMMER SPRA CREAM

A stabilized 83% Summer oil emulsion for foliage spraying of fruit trees, shade trees and evergreens, used as a dormant spray for ornamentals and evergreens by nursery and shade men. Used as a sticker for Arsenate of Lead sprays, combines with DX Spray Nicotine and Bordeaux. (qts. \$1.25) (gals. \$2.75) (5 gals. \$10.00), F.O.B. Denver.

### LINSO SOAP

A high quality soap spreader of linseed oil base. It does not have the disagreeable odor of many soap spreaders, and is economical and highly effective. Use 1½ pints to 100 gallons of water. (½ pts. 65c) (qts. \$1.25) postpaid.

### SURFISPRAY

Contains 5% DDT fortified with pyrethrum and piperonyl cyclohexanone for use with flies, mosquitoes, moths and fleas. For use in the home. (pts. 90c) (qts. \$1.50) (gals. \$3.50) postpaid.

## Seed Treatments

### Treat Vegetable and Flower Seeds

New ARASAN is the most modern disinfectant for all garden seeds. In actual tests, untreated seeds that produced a 64% stand, showed 83% stand after dusting with Arasan! Nearly 30% increase—it pays! Non-irritating, easy to apply. (¼ oz. pkt. 25c) (8 oz. can \$1.00) (2 lbs. \$3.20).



### Treat Your Seed Grains with CERESAN 'M'

#### It's Less Irritating to Skin, Eyes, Nose!

6% to 18% bigger yields of grain crops obtained when seed wheat, oats, and barley were treated with Ceresan! Boost your yields—improve stand and quality by this simple treatment which costs but a few cents an acre. It's easy to apply with a homemade treater or by the simple shovel method. Does not affect planting rate or cause trouble in the drill. Can be applied 6 months before planting if desired. ½ ounce treats one bushel of grains, millets, or flax.

NEW CERESAN 'M' can be applied wet or dry. (14 oz. can, treats 28 bu., \$1.15) (3 lb. can, treats 96 bu., \$3.55).

### SEMESAN

For the treatment of bulbs, flowers, seeds and brown patch in the lawns. 4 oz. can \$1.00; 12 oz. can \$2.85.

## SPERGON New Non-Poisonous Seed Protectant

Recommended for Use on Beans, Peas, Corn and Lima Beans

Growers report an increase in yield of over 35% from Spergon-treated seeds. Spergon kills harmful soil fungi and bacteria—prevents decay and damping-off, especially in cold, wet weather. Spergon assures better germination of seed and produces healthy, vigorous plants that give better yield. (Can be used with Nitragin.) Price: (1 oz. pkg. 25c) (5 oz. pkg. \$1.00) (1 lb. \$2.25) (10 lb. \$20.00) postpaid.

### PHYGON (Wettable)

A fungicide for the control of all Leaf Blights and Fruit Rot of Tomatoes, Black Spot of Roses, Apple Scab and many other plant diseases caused by fungi. A seed protectant to be dusted on Beets, Tomatoes, Spinach, Swiss Chard, Peppers and other seeds, before planting to prevent seed decay and "damping-off." 1 lb. pkg. \$2.70; 10 lb. drum \$21.50 postpaid.

ANY ITEMS NOT QUOTED POSTPAID ADD POSTAGE AT THE ZONE RATE



# ACME PESTICIDES for Garden and Home Surroundings



## ACME ARSENATE OF LEAD

Thoroughly reliable in killing eating insects which destroy foliage and attack fruits. Safe to use on tender foliage. When worked into lawns and other turf, grubs, worms, etc., are killed and the turf "proofed" against insects for some years. Treatment discourages germination of crabgrass seeds. 1 lb. ctn. 69c ea.; 4 lbs. \$1.80. F.O.B. Denver.

## ACME BORDEAUX MIXTURE

This mixture is the standard copper fungicide that has given fine satisfaction for over a hundred years. Controls many diseases on fruit trees (including peach leaf curl), vegetables, flowers and shrubs. As Bordeaux is a preventative, spraying should start early before fungus spores gain foothold. 1 lb. 53c ea.; 4 lbs. \$1.45. F.O.B. Denver.

## ACME 6% CHLORDANE DUST

Easy does it, simply sift on lawns and in the garden for controlling ants, lawn moths, chiggers, cutworms, earwigs, grubs or work into gardening soil for wireworms, grubs, root maggots. Excellent for spotting along baseboards, or crevices in homes to eliminate unwanted ants, cockroaches, silverfish, crickets and box elder bugs. 1 lb. sifter carton 60c ea.; 4 lb. bag \$1.50 ea. F.O.B. Denver.



## ACME DUSTING SULPHUR

Mildews and many other fungus diseases as well as certain mite insects just can't stand sulphur. Light dustings (or sprayings) furnish a protective coating on roses and many other foliage plants against mildew and spot. Effective against red spider and certain mites on evergreens, legumes, deciduous and citrus fruits. 2 lb. sifter 60c ea. F.O.B. Denver.

## ACME TOMATO DUST

Many common spraying and dusting materials are irritating to tomato plants, causing rapid respiration so that they lose moisture more quickly than the plant can replace. Acme Tomato Dust is especially formulated for tomatoes, controlling blights and worms and permitting best possible harvest. 1 lb. pumpgun package 60c ea.; 4 lb. bag \$1.50 ea. F.O.B. Denver.

## ACME DURADUST #50

For the gardener who cares, All Round Spray gives highest degree of protection to costly flowers, fruit trees, shrubs and vegetables from ravages of insects and blight. Combining two insecticides and two fungicides, if used regularly, one or more of the active elements are always at work. 1 lb. 75c ea.; 4 lb. \$2.40 ea.

## ACME ALL ROUND SPRAY

A finely divided, wettable powder containing 50% technical DDT. Has many uses in control of insects in the garden, on fruit trees and in outbuildings. Kills both sucking and chewing insects on foliage, houseflies and mosquitoes by wall treatment. Most economical form to buy DDT—1 lb. \$1.10 each.

## ACME GARDEN GUARD

America's favorite rotenone dust for vegetables and flower gardens. Safe to use on edible portions of plants right up to picking time. Kills most common garden insects of both sucking and leaf chewing types. No mixing, no muss—shake from sifter package hitting insects to be controlled. 1 lb. sifter 50c ea.; 4 lb. bag \$1.25 ea. F.O.B. Denver.

## ACME LIME SULFUR (DRY)

Containing 65% Calcium Polysulphides, it is a very valuable spray against many insects as well as some important fungus infections. It is a favorite spray in control of scale, mites, peach leaf curl, mildew on fruit trees, berry bushes, and as clean-up spray on roses. 1 lb. 67c ea.; 5 lbs. \$2.75. F.O.B. Denver.

## ACME WEED KILLER

A universal weed killer toxic to all forms of plant growth including trees. Gets rid of unsightly weeds in driveways, parking areas, flagstone terraces, clay courts where no vegetation whatever is desired—can render soil sterile for two years and more. Pint 65c ea.; quart 90c ea.; gallon \$2.40 ea. F.O.B. Denver.

## CARCO-X

Fertilizer CANNOT do its best work for you unless you stop the insects that eat the roots of your plants, shrubs and trees.

We know that we can sell you the best seeds, bulbs, plants and shrubs, but YOU have to control pests in your own Garden, with a definite CARCO-X spray program. A free Booklet for you, titled "DeBugging Made Easy," will help you plan.

CARCO-X is a complete liquid spray, easy to use and not harmful to humans or warm blooded animals when used according to directions.



### Prices Postpaid

½ pint .....	\$1.00
1 pint .....	1.50
1 quart .....	2.45
1 gallon .....	5.95

We suggest that you buy now and have it on hand to use at ALL TIMES.

## SPECIAL MIXTURES OF INSECTICIDES

### NON-POISONOUS PYROCIDE DUST

HIGH IN KILLING POWER  
UNIFORM

For  
Poison-Free  
CROPS

No Toxic  
Residue

Pyrocide Dust with its high knock-down and quick kill is absolutely non-injurious to humans. It may be safely used right up to harvest day. The perfect insecticide for market growers, who sell produce to baby food and other top quality consumers.

### Pyrocide Dust No. 10

Recommended as a general insecticide including the control of web worms, cucumber beetles, bean beetles, tarnish plant bug, leaf tier, grape leaf hoppers, thrips, Colorado potato beetle, can be used on all types of plants under all conditions. (1 lb. can 60c) (5 lb. pkg. \$2.25), F.O.B. Denver.

No. 10-A—Pyrocide Dust combined with Sulphur for the control of all types of pests that are found on plants as well as fungus diseases. It is recommended as an all around garden dust. (1 lb. 65c) (5 lbs. \$2.50), F.O.B. Denver.

COPPER CELERY DUST—Recommended for the control of early and late fall blight or rust of celery. (1 lb. 45c) (5 lbs. \$1.55) (20 lbs. \$3.00) (50 lb. bag \$5.50), F.O.B. Denver.

ROCKY MOUNTAIN HI-ALTITUDE APHIS DUST—A combination of Free Nicotine, and B-71 for the control of aphid on cabbage, peas, cauliflower and broccoli. (5 lbs. \$1.65) (20 lbs. \$5.50) (50 lb. bags \$8.00), F.O.B. Denver.

10% DDT DUST—To be used when the 5% dust does not give good control, or hard to kill insects. (1 lb. 65c) (5 lbs. \$2.65) (20 lbs. \$5.00) (50 lb. bags \$8.00), F.O.B. Denver.

CRYOLITE CUCUMBER AND MELON DUST—A very effective control against blight and striped cucumber beetle, on cucumbers and melons. Use at the rate of 20 pounds per acre. (1 lb. 45c) (5 lbs. \$1.65) (20 lbs. \$4.50) (50 lb. bag \$7.50), F.O.B. Denver.

1% ROTENONE DUST—Controls insects on vegetable crops, leaves no poison residue. Standardized at ¾% Rotenone content. (1 lb. 50c) (5 lbs. \$1.65) (20 lbs. \$5.50) (50 lb. bag \$9.00), F.O.B. Denver.

ROCKY MOUNTAIN R-60 DUST—A combination of Lethane, Rotenone and Sulphur. Recommended for the control of many sucking and chewing types of truck crop insects such as pea aphids (and other plant lice), cabbage loopers, leaf hoppers, pea weevils and Mexican bean beetles. (1 lb. 50c) (5 lbs. \$1.25) (20 lb. \$4.50) (50 lb. bag \$7.00), F.O.B. Denver.

IF WANTED BY PARCEL POST ADD POSTAGE AT THE ZONE RATE





**BLACK LEAF "40"**—Highly recommended as a spray for aphids, leaf hoppers, leaf miners, most thrips, young sucking bugs and other similar insects. Kills by contact and by fumes. One ounce makes six gallons of effective spray. (1 oz. 39c) (5 oz. \$1.19) (1 lb. \$2.69) (2 lbs. \$4.79) (5 lbs. \$7.40) (10 lbs. \$12.65). F.O.B. Denver.

**BLACK LEAF 50% DDT Wettable Powder**—Controls cabbage worm, flea beetles, leaf hoppers, potato beetles, tarnished plant bugs, corn borers, aphids and similar insects on vegetables, fruits and shrubs. (½ lb. pkg. 49c) (1 lb. pkg. 79c).

**BLACK LEAF 10% LINDATE SPRAY**—A multi-purpose spray for insects found in the garden, and in the soil. Controls aphids, thrips, plant bugs, leaf rollers and psyllids on shrubs, vegetables and fruits. Effective for lice and mites in poultry houses. (1 oz. 39c) (5 oz. \$1.19) (1 pt. \$2.69) (qts. \$4.79). F.O.B. Denver.

**BLACK LEAF 50% MALATHON SPRAY**—A new spray for mites, controls European red mites, two spotted mites, clover mites, aphids, psyllids on fruits, vegetables and shrubs. (1 oz. 49c) (5 oz. \$1.39) (pts. \$2.98) (qts. \$5.29). F.O.B. Denver.

**BLACK LEAF 5% CHLORDANE DUST**—A dust that kills garden pests by contact and vapor. Has lasting effect and killing power. Controls ants, roaches, silver fish, spiders, grasshoppers, earwigs, crickets, cutworms, cabbage and onion maggots. Controls Japanese beetle grubs and chiggers in the lawn. (1 lb. 49c) (4 lb. pkg. \$1.39). F.O.B. Denver.



**EVERGREEN**—Powerful contact insecticide, the killing agent being pyrethrum. Kills chewing and sucking insects such as aphids, ants, rose beetles, etc. Leaves no objectionable residue. Non-injurious to humans or animals. One ounce makes six gallons of spray. (1 oz. 35c) (6 oz. \$1.15) (pts. \$2.45) (qts. \$4.10) (gals. \$12.60). F.O.B. Denver.

**ROTENONE SPRAY (NNOR)**—One of the most useful and effective insecticide materials known. In NNOR it is combined with a patented spreader making the tremendous killing power of Rotenone more effective than ever. NNOR penetrates the hairy or waxy covering on the insects to permit the Rotenone to get in its killing punch. One ounce makes six gallons of spray. (1 oz. 35c) (16 oz. \$2.15). F.O.B. Denver. F.O.B. Denver.

**45% EMULSIFIABLE CHLORDANE CONCENTRATE**—Contains 4 full lbs. of Chlordane per gallon. Water soluble. For crop and animal spraying, one gallon mixed with 200 gallons of water. One gallon treats 5-1/3 acres for grasshopper control. (4 oz. 75c) (pts. \$1.95) (qts. \$3.25). F.O.B. Denver.

**LINDANE 25% WETTABLE**—For the control of aphids, thrips, cucumber beetles, leaf miners and caterpillars. Also used for seed treatment on corn for the control of wireworm and seed corn maggot. As a residual spray for controlling flies, roaches, ants and mosquitoes, as well as lice and ticks on cattle. (1 lb. cans \$2.55 each). F.O.B. Denver.

**KRYOCIDE**—An effective insecticide for the control of many chewing insects. Can be used as either a spray or dust. (1 lb. 40c). F.O.B. Denver.

**KRYOCIDE D-50 (With Sulphur)**—Same as Kryocide but contains sulphur and controls blights and some fungus diseases. (1 lb. 50c) (3 lbs. 85c). F.O.B. Denver.

**CRYOLITE (Magnetic)**—A fluorine insecticide used for the control of potato beetles, flea beetles, cucumber beetles, Mexican bean beetles and codling moth. (50 lb. bags \$7.50). F.O.B. Denver.

**HOWMAN D-15 (Contains 1½ lbs. of Dieldrin per gallon)**—This insecticide is very similar to aldrin, effective against alfalfa weevil, beetles, armyworms and many others. One gallon will usually treat 3 to 4 acres.

Pints .....\$3.25

**HOWMAN 23% ALDRIN EQUIVALENT—For the Control of Grasshoppers**—A highly effective grasshopper poison, important because when treatment is made on legumes and grasses used as pasture it is safe to allow livestock to graze on treated plants after three weeks. Aldrin is particularly effective against grasshoppers, crickets, ants, wireworms and white grubs.

4 oz. ....\$1.00      Quarts ....\$4.25  
Pints .....2.50      Gals. ....8.65



**3-WAY GARDEN DEFENSE**—A combination insecticide to take care of all garden pests, both chewing and sucking as well as fungus diseases in one application. Use with confidence on edible fruits and vegetables as well as shrubs, trees and flowers.

4 oz. Sifter Package .....\$ .25  
10 oz. Applicator Gun ..... .79  
8 oz. Refill Cartridge ..... .59  
2 lb. Pouring Spout Pkg. .... 1.79

**PARATHION 15% WETTABLE**—One of the new phosphate insecticides used on all hard to kill insects; use 1 pound to 100 gallons of water. (1 lb. cans \$1.00) (4 lb. can \$3.00 each). F.O.B. Denver.

**OVOTRAN WETTABLE**—A new miticide for control of certain mites on shade trees and ornamental shrubbery and roses. Compatible with common insecticide and fungicides. Usual dilution is 1 pound to 100 gallons of spray. (4 lb. pkgs. \$6.50 each). F.O.B. Denver.

## FUNGICIDES

**DIATHANE Z-78**—A fungicide for the control of early and late blight, downy mildew, mold and mildew rust, anthracnose on tomatoes, celery, cucurbits, potatoes, beans and gladiolus. Use 1 lb. to 100 gallons of water. (3 lb. pkgs. \$3.00). F.O.B. Denver.

**TRI-BASIC COPPER SULPHATE (53% Copper)**—Is effectively used for the control of persistent diseases, such as blight on potatoes, tomatoes, celery and sugar beets, and black rot on grapes. In sprays this fungicide should be used at the concentration of one-half or less of the quantity of copper sulphate ordinarily used in Bordeaux Mixture. In dusts the recommended quantities of TRI-BASIC plus talc or clay has largely replaced the old fashioned Copper-Lime dusts. This is especially true where DDT is recommended inasmuch as it is generally recognized that the presence of excess lime greatly reduces the effectiveness of the insecticide. (6 lb. bag \$2.00) (48 lb. case \$14.40). F.O.B. Denver.

**YELLOW CUPROCID**—A highly effective spray material in the form of a dry powder. It suspends readily in water. For control of damping-off in its second stage, spray seed bed immediately after planting seed and once more before seedlings appear. Spray seedlings every 7 to 10 days. Especially good for the control of blight and leaf spot on celery, tomatoes and potatoes; 3 lb. package makes 200 gallons of spray. (3 lbs. \$2.25) (100 lbs. \$61.00). F.O.B. Denver.

## FOR SNAILS & SLUGS

**BUG-GETA PELLETS**—Kills snails, slugs, cutworms—handy, easy to use. Economical metaldehyde-arsenical bait in pelleted form. These pellets are easy to distribute in "hard to reach" areas and go 4 times further since they hold up longer than old style meal bait mounds.

12 oz. Box .....\$ .40  
2 lb. Box ..... .75  
5 lb. Box ..... 1.65

ON ANY ITEMS QUOTED F.O.B. DENVER IF WANTED BY PARCEL POST, ADD POSTAGE AT THE ZONE RATE



## TOOLS HAYES SPRAY GUNS

### SUNBEAM RAIN KING

Model "K"



America's only automatic sprinkler, automatically sets distance and type of spray with one setting. A turn of the control button sets the Model "K" for any desired area. Whether set for large or small circles, the spray is always broken up by the speed of the revolving arms to provide a natural rain-like shower that is best for all lawns. Made with bronze bearings and all exposed brass parts are chromium plated. Postpaid, each \$9.50.

### GROUND SOAKERS

Water seeps through entire length gently—no spray—puts water where you want it—all soaks to the roots. Made of treated mildew-resistant canvas. One end screws to water hose, other end closed. Water seeps through every pore—soaks directly into the soil over an area of several feet on all sides. No excessive evaporation. Ideal for lawns, terraces, flower and vegetable gardens, hedges, shrubs, trees, etc. Saves on water bills. Get yours now!

10 ft. Multiple Type.....	\$2.16
15 ft. Multiple Type.....	2.78
18 ft. Closed End.....	2.85
30 ft. Closed End.....	4.34

Postpaid



Delivers a fine forceful fan-shaped spray. Adjustable nozzle sprays UP under leaves—DOWN—or SIDEWAYS—also a LONG-RANGE spray to reach tree tops. Attach to water hose—makes spraying easy—no pumping or heavy lifting. Properly proportions and thoroughly mixes insecticides in correct dilutions.

HAYES 4—sprays 4 gallons of solution. \$6.45

HAYES 6—sprays 6 gallons of insecticide solution—has elongated nozzle to reach inside plants.

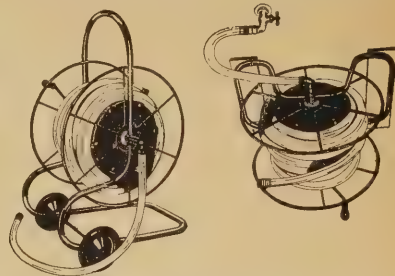
\$9.95



### TRI-CON FERTILIZER UNIT

Model 500. Automatically gives the proper ratio of  $\frac{1}{2}$  oz. of fertilizer to 1 gallon of water at all times regardless of water pressure or amount of fertilizer in jar. Use with Instant Fertilizers such as Ra-Pid-Gro and Instant Vigoro. This all purpose nozzle features trigger control and a patented reversible cap to give you any type of stream you need. May also be used as a hose nozzle without fertilizing attachment. Postpaid, \$5.75 complete.

## GARDEN HOSE REELS

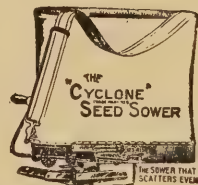


No. 51-1 PORTABLE HOSE REEL with full swiveling connection. Your garden hose remains permanently connected to coupling on inside of reel always ready for use. Will hold 100 ft. of  $\frac{5}{8}$  in. or  $\frac{3}{4}$  in. garden hose. No kinks, hose winds and unwinds straight. Easy to move, just rolls along. Each \$15.95, F.O.B. Denver.

No. 51-2 WALL TYPE HOSE REEL—Always ready for use, hose remains permanently connected on inside of reel with full water pressure instantly as required, whether you unroll 5 feet or 100 feet, capacity 100 feet. Fastens to wall with screws or bolts in desired location. Each \$13.50, F.O.B. Denver.

## CYCLONE SEEDER

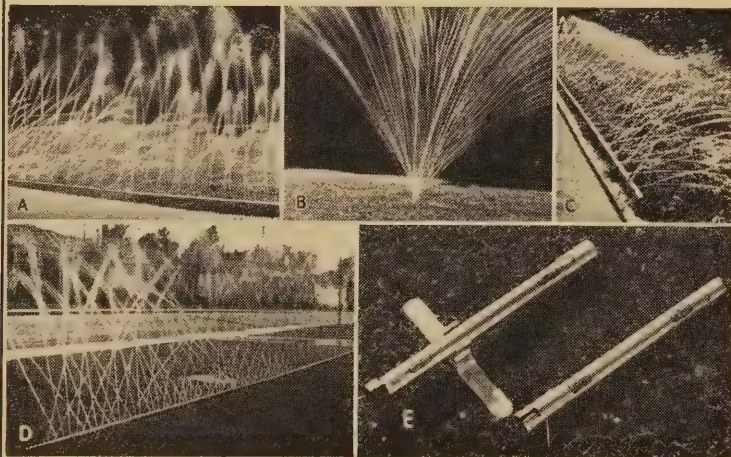
Seed Sower known and used wherever seed is sown. Can be used any time, any place a man can walk.



The CYCLONE distributes accurately all smooth grass seed and grain, pellet and granular fertilizer. Has exclusive

DOUBLE OSCILLATING FEED and INSTANT FEED CONTROL; prevents waste and gives instant control. Built for many years of service. Capacity  $\frac{1}{2}$  bushel. The sower that satisfies. (Each \$4.30) (postpaid \$4.55).

## "NATURAIN" IRRIGATOR — FOR LAWNS AND FLOWERS



As "right as rain" when nature's showers don't come your way.

A—"Naturain" sprays in any direction. Water goes where you want it—on lawn or garden—not on sidewalk.

B—It waters as nature intended—like a gentle misty shower that soaks in and does not puddle.

C—"Naturain" is the perfect watering device for flowers. It can be controlled at the faucet, to only a few-inch spread, for use on the most fragile plants.

D—It is adaptable. You may use 5, 10 or 30 feet, depending on the area. Even in 30-ft. lengths it gives a 20-ft. spread with normal home pressure.

E-F—It's easy to use—connects without leakage with a twist of the wrist and weighs only 1 lb. per 5-ft. section. Made of durable aluminum and stainless steel—cannot corrode or rust. Gives years of service.

Complete 10-foot Sprinkler—Consisting of 5-ft. primary unit with hose connection, and 5-ft. secondary unit with end-cap. Prepaid, \$5.70.

Extension Units—Additional 5-ft. intermediate units to extend the above. Each, prepaid, \$2.75.



## SWAN GARDEN HOSE

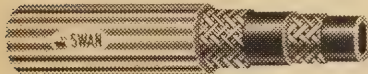


No. 807

### SWAN GREEN RUBBER HOSE

Guaranteed for 5 Years

A full  $\frac{3}{4}$  inch hose with a single braid of light green rayon cord, and a good looking green rubber cover. **Postpaid, 50 ft. length, \$8.75.**



No. 327

### SWAN GREEN HOSE

Guaranteed for 10 Years

Here's the finest garden hose money can buy. Full  $\frac{3}{4}$  inch hose with smooth tough inner tube reinforced with two braids of heavy rayon cord. Beautiful green cover of specially compounded rubber-like material. Guaranteed to withstand all city water pressure. **Postpaid, 50 ft. length, \$11.95 each.**

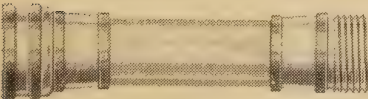


No. 808

### RED HOSE

Guaranteed for 10 Years

A full  $\frac{3}{4}$  inch with smooth tough inner tube and a single braid of heavy rayon cord. Attractive red cover of rubber-like material. **Postpaid, 50 ft. length, \$9.75.**



No. 60

### SWANSEAL PLASTIC

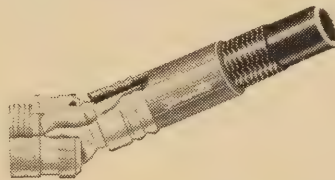
A full  $\frac{3}{4}$  inch all plastic hose that delivers a large volume of water yet is light, flexible and easy to handle, equipped with heavy-duty solid brass couplings. Not harmed by chemicals or insecticides. **Postpaid, 50 ft. length, \$12.50.**

### SWAN JEWEL PLASTIC HOSE



10 Year Guarantee

Virgin vinyl plastic, light weight, easy to handle, clear colors of kelly green, light green, cherry red and amber in 25 and 50 ft. lengths, full  $\frac{7}{16}$  inch inside diameter. **Postpaid, 25 ft. length, \$3.95; 50 ft. length, \$6.95.**



No. 1867

### SWANITE PLASTIC HOSE

Guaranteed for 10 Years

Combines all the advantages of a reinforced rubber hose plus those of light weight plastic hose. Low temperature plastic inner tube reinforced with rayon cord and cover of pure plastic has patented Swan Maxiswivel coupling.  $\frac{3}{4}$  in. **Postpaid, 50 ft. length, \$13.75.**

No. 3191

### SWAN TRANSLITE PLASTIC HOSE

10 Year Guarantee

Made of virgin plastic with traces of beautiful green color pigments for brilliant transparency. Very light yet tough, flexible and durable. Kinking, twisting, weathering, sunlight, heat, freezing, oils, greases and most chemicals will not harm it. Mirror-smooth finish, equipped with reattachable couplings. Full  $\frac{1}{2}$  in. inside diameter. **Postpaid, 50 ft. length, \$8.95.**

No. 277

### SWAN'S "ACE" HOSE

Guaranteed for 10 Years

Mirror smooth green plastic that is very tough and durable. Will not fade, crack, rot, peel, mildew or sun check. Oils and grease will not harm "Ace." Resists scuffing and abrasion. Should hose be accidentally cut or damaged, reattachable coupling facilitates quick repair. **Postpaid, 50 ft. length, \$6.50.**

### SWAN'S No. 2370

Green plastic with corded outside cover to resist wear, full  $\frac{1}{2}$  inch inside diameter with maxivolume couplings. **Postpaid, 50 ft. length, \$5.50.**



### IMPROVED SWAN SPRINKLE SOAKER No. 15

Does the work of a lawn sprinkler and soil soaker. The oval shaped tube of the sprinkle-soaker has hundreds of tiny holes pierced on one side only. To sprinkle, turn the openings up; to soak, turn them down and adjust the water pressure. Made of beautiful green plastic, will not fade, mildew or rot. **Postpaid, 25 ft. length, \$2.98; 50 ft. length, \$4.98.**



No. 12

### SWAN LAWN SPRINKLER

An inexpensive sprinkler, has full  $\frac{3}{4}$  inch diameter strong plastic tube with hundreds of tiny holes all the way around it. Attached to garden hose they shoot out a gentle cloud like spray about 15 feet wide. Makes it easy to sprinkle those hard to get at areas. Made of tough vinyl plastic in green, equipped with solid brass couplings. Available in two lengths. **Postpaid, 20 ft. length, \$1.89; 35 ft. length, \$2.89.**

### SWAN'S TRIPLE-TUBE FLEXIBLE SPRINKLER

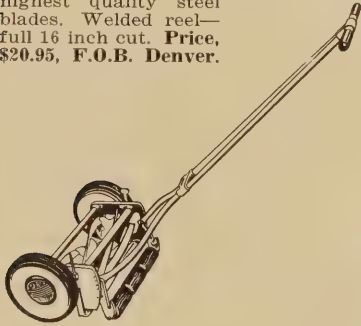
Does the work of a Lawn-Sprinkler and Soil-Soaker, and does it better. Guaranteed to lie flat, will not roll or shift position. Stays where you put it. Water openings on one side only. Every square foot of area receives a steady, gentle soaking! Covers a strip about 25 feet wide the entire length of the sprinkler, with normal city water pressure. Made of beautiful green plastic. Tough, thick walls prevent tearing, snagging on thorns, or bursting. Will not fade, rot, or mildew. Easy to clean and keep clean. Female coupling on one end, male coupling with brass cap on other end. When cap is unscrewed, additional sprinklers can be attached in series. **Postpaid, 25 ft. length, \$3.25; 50 ft. length, \$4.98.**



## CLEMSON MOWERS

Made by the Makers of the  
Well Known Clemson and  
Star Hacksaw Blades

**THE CLEMSON SPECIAL**—The only low priced mower with all the Clemson features, easy toolless height and bed knife adjustment—two frame tie bars for real Clemson sturdiness—gets twice as close to obstructions—practically eliminates trimming—non-bobbing action. Big hardwood rollers, solid rubber tires, plastic hand grips, highest quality steel blades. Welded reel—full 16 inch cut. **Price, \$20.95, F.O.B. Denver.**



**CLEMSON 16**—Has all the exclusive Clemson quality features at a price anyone can afford. Oil impregnated hardwood rollers. Steel tube handles with palm fitting plastic covered hand grips and built in clippers bracket. Wheels with solid rubber tires roll on roller bearings. New four-spider welded reel with two-way rigidity. 15 inch cutting swath. **Price \$25.95, F.O.B. Denver.**

**CLEMSON 17**—Similar to Clemson 16, but has large semi-pneumatic tires, and full 17 inch actual cutting widths. **Each, \$29.95, F.O.B. Denver.**

**CLEMSON E-17**—Has all the features of 16 and 17 plus flatstrip fly knives with two way rigidity and extra large tie tube and larger rollers. **Price, \$34.95, F.O.B. Denver.**



**CLEMSON "Power Drive" MOWER**—Full 1-6/10 H.P. Briggs and Stratton Engine with automatic re-wind starting cord. Has patented grass guard, positively keeps grass and weeds from winding up on reel shaft, saves work and time. No tools needed for precision adjustment of reel to bed knife, no tools needed for quick, easy cutting height adjustment. You can't burn out or damage the reel clutch by stalling the blades on sticks, stones or other obstructions. Mower can be stopped by putting the handle straight up or dropping the handle. Power from the wheels can be disengaged and have the reel keep going full speed, so that you can move up to obstructions and trim. 18 inch cut, with roller divided into three sections for easy turning. **Price, \$130.95, F.O.B. Denver** (shipping weight 95 lbs.).

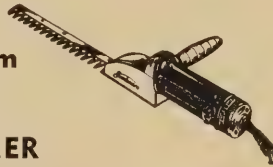
## Chattanooga's



### JOY WHEELBARROW

A sturdy all metal wheelbarrow, ball bearing wheel, with rubber tire, handles are wedged and grooved. They fit together tightly and are held rigidly together with tray bolts. Easy to handle, 3 bushel capacity. **Each \$14.50, F.O.B. Denver.**

### Sunbeam Electric HEDGE TRIMMER



The new Sunbeam is the high speed, easiest to handle trimmer built and powered to do this tiring job. 12-inch cutlery steel blade, well balanced. The lightweight (4½ lbs.) Sunbeam is a precision instrument in every detail from the high grade cutlery steel cutter bar to the 110-V. AC-DC power plant inside the handle. None other like it. Equipped with a 10-foot rubber coated extension cord. **Price, postpaid, \$49.50.**

### JUDSEN MOLDED RUBBER KNEE PADS



FOR EVERY  
"DOWN-ON-THE-KNEES"  
JOB!

Makes kneeling on hard, rough ground or floors easy. They form-fit your knees and stay in place. **Postpaid, per pair, \$2.25.**



### PLANET JR. LAWN

**EDGER No. 2**—Probably more miles of walk are edged with Planet Jr. Edgers than with any other one tool. They do the work quickly, neatly and with a minimum of effort. They work equally well on curved or straight walks of cement or brick. The sharpened cutting disc of hardened and tempered steel tends to be self-sharpening as it shears along the cement. The white ash handle is light and strong and shaped to fit the hand.

**Each \$2.75, Postpaid.**

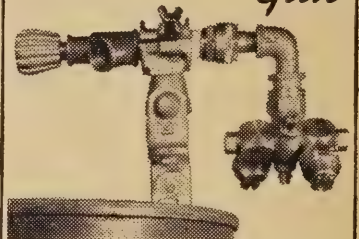
## SPRA-WHITE

### Farm Sprayer

### THE BOOM-JET SPRAYER WITH JET AGITATION

3 complete sprayers in one unit. Each complete as shown. Operates off tractor PTO or by gas engine.

### WIDE SWATH BOOMJET Spray Gun



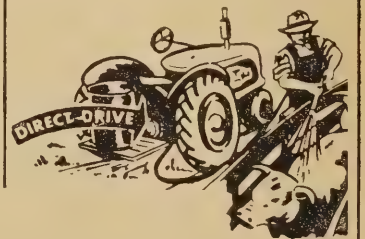
COVERS 50 Ft. SWATH



Can Also Be Made Into 24 Ft. Spray Unit for Spraying Road-sides and Fence Rows.



Can Also Be Made Into Adjustable Hand Gun for Spraying Livestock.



A simple, rugged Sprayer—time-tested, farm proved! Buy the Complete Unit (No. 3) to do all spraying jobs of a field, roadside and spot sprayer.

High pressure farm sprayer with Hypo ball bearing pump, nylon rollers, 350 lb. pressure, capacity 15 gallons per minute. Boom Jet gun mounts on spray barrel. Attaches in 5 minutes to any tractor. Aim and regulate the spray from tractor seat. All you need to add is the tank. **Complete, \$148.64, F.O.B. Denver.**



## TOOLS

### ASPARAGUS KNIFE OR DANDELION DIGGER



Forged from high carbon too steel, insuring strength, durability and lasting cutting edge. No. 2500—14 inches. Each 60c, Postpaid.



English  
Grass  
Hook

Tool steel blade with crucible steel, riveted handle, 32 in. length. Each, \$1.00, Postpaid.



### GARDEN DIBBLES

For Transplanting Plants and Bulbs. All aluminum. Each, \$1.00, Postpaid.

### NEWMAN No. 185-8 PRO PRUNER

The heavy duty Professional Hand Pruner represents the last word in a precision built hand pruner. It is a Nickel chromed alloy steel drop forged with cutlery steel blades, spring opening handles and safety lock. Each, \$3.00, Postpaid.



### NEWMAN No. 122 PRUNER

The Speed Cut Pruner is the finest anvil type ever built. Handles are made of cellulose acetate and are hand fitting, and non-breakable.

Leverage is offset to make speedy, clean cut. Blades are of cutlery steel, hardened and tempered, replaceable blade and brass anvil. Each, \$2.50.



### NEWMAN GRASS SHEARS No. 111

The old fashioned Grass Shear with 5½ inch blades tempered and polished, colored handles and bows. Postpaid, \$1.25.

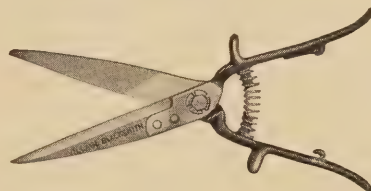
### Grass Shears

"Ezy-Cut" Special Grass Shears with comfortable shaped handles, fit the hand naturally, with tempered and polished blades. Blades riveted to handle. Each \$2.15, postpaid.

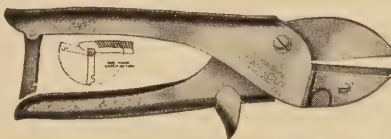


### NO. 1575 STAND UP EZY-CUT GRASS

**SHEARS**—The modern grass clipping tool, cuts from a standing position—simple as walking—no stooping, bending, sore knees or backaches. Cutting action operates by simple "squeeze action" on handles which control blades at the bottom of feather-weight steel shaft. Moves on free-running large wheels. Takes apart for cleaning and sharpening. Each \$4.20, postpaid



**V-B GRASSNIPS**—A very practical all steel grass shears, with handles designed to fit the hands. The blades are polished on both sides designed of hardened steel. Each \$1.50, postpaid.



### No. 419 "SNAP CUT" PRUNER

The new lightweight, streamlined aluminum alloy body, with super keen "V" blades slices cleanly into a soft metal anvil that does not dull cutting edge. All pruner parts easily replaceable. 8 inches overall length. Postpaid \$2.75.

### HEDGE SHEARS



Keen ground and notched special 8-inch blades. Natural wood handles. Postpaid \$3.50.

### No. 45 SEYMOUR SMITH "ROCKDAL" LONG HANDLED PRUNER



Drop forged steel cutting parts, green painted ash handles 22 inches long with long tubular steel ferrules. Cuts 1¼-inch limbs. 27 inches overall length. Postpaid \$3.25.

### PRUNING SAWS



**STRAIGHT SAW WITH DOUBLE CUTTING EDGE**—Good quality, specially hardened and tempered blade, one edge has sharp cross cut teeth, 8 points to the inch for finish stroke and barking; other edge has coarse "Champion" teeth for easy sawing in green wood. Hardwood handle with 18-inch blade. No. S8-18. Each \$2.60, postpaid.

**CURVED PRUNING SAW**—Uniform temper steel blade to insure extra heavy usage. Long needle point teeth, 8 to the inch, perfectly filed and set to cut on the pull stroke. Extra wide set of teeth, hardwood handle. No. S4-14. Each \$2.60, Postpaid.

**POLE SAWS**—This pole saw is especially adapted for cutting limbs over 1¼ inch in diameter where blade with slight curve is required. Blade is adjustable to three angles. 18 inches long and is ground for clearance which prevents binding.

No. 1100 with 8 ft. pole.....\$7.25 each

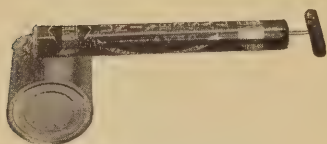
No. 1100 with 10 ft. pole..... 7.75 each

No. 1100 with 12 ft. pole..... 8.25 each

F.O.B. Denver



## HAND SPRAYERS



**T-26 RAIDER**

The Raider is adapted to any spraying work in the home or garden, for shrubbery, vines, poultry house, dairy barn, etc. Will handle insecticides, disinfectants and deodorants. Pump is securely soldered in top of tank. **Postpaid 85c.**



**T-32 BOMBER**

Quart, all tin continuous sprayer for all-around use. **Postpaid \$1.25.**

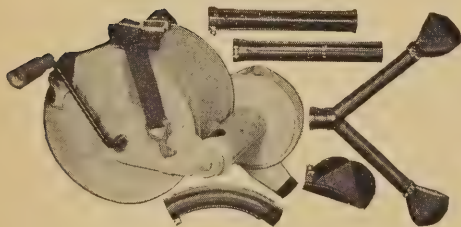


**G-34 ACE**

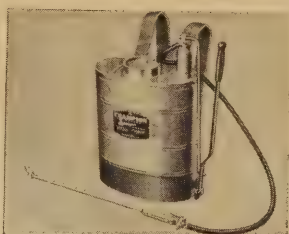
### 3-Quart Continuous Sprayer

This sprayer operates with ease and produces a large volume of spray, the nozzle throws an even spray. Ideal for home owners, farmers and especially for cattle sprays. **Postpaid, \$2.50.**

### ROOT HAND GUN



This duster is ideal for controlling insect pests and fungus growth on plants. Will easily care for eight to ten acres per season. A revolving fan designed to handle all dusts efficiently. Gun case permits swinging discharge tube from front to rear of operator. The rate of dust discharge can be adjusted from 1 to 25 pounds per acre. Weighs 12 pounds and hopper will hold 7½ pounds of fluffy dust. **Root Duster Complete with Y's for two row dusting, \$28.00, Postpaid.**



### CHAMPION ALL-BRASS KNAPSACK SPRAYER

Easy-to-use, built for long life. Uniform pressure of 200 pounds easily pumped as needed by lever; agitator keeps 4½ gals. well mixed. Nozzle quickly adjusts from fine spray to 35-ft. stream. Liquid twice filtered.

**Each \$29.95, Postpaid**

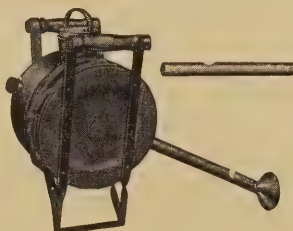


### CHAMPION DUSTER (Single Action)—

Knapsack type, large, powerful bellows. Easy to operate; will thoroughly crush sulphur and handle all standard dusting materials. May be adjusted for light or heavy application. Capacity, 15 to 20 pounds material. **Postpaid \$27.95.**

### CHAMPION DOUBLE ACTION DUSTER—

Same as above, but gives continuous flow of dusting material. **Postpaid \$29.95.**



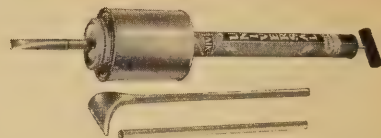
### CHAMPION HAND DUSTER —

The pressure created by this hand duster is so great that the operator can stand erect and dust the underside of plant leaves or the top of small trees. The powder cannot escape on the operator. Eight pounds of powder is carried in this five-pound duster. **Postpaid \$10.00.**

## HAND DUSTERS



**D-12 AIRLINER DUST GUN**—All tin construction with powder compartment 3 inches by 4 inches, pump, 1½ inches by 12 inches long. **Postpaid, 80c.**



**D-14 SHIP DUSTER** — A good sized duster for the garden, dairy barn, poultry house. Powder compartment is 4 inches long and 4 inches in diameter, equipped with two 12-inch extensions with one flared and one straight nozzle. **Postpaid \$1.35.**

## COMPRESSED AIR SPRAYERS

### UNIVERSAL SPRAY KING—

Capacity about 3¼ gal.-lons. 20½ inches high, 7¼ inches in diameter with funnel attached. Equipped with angle nozzle, 22-inch brass extension rod and leakproof release valve. Galvanized. **Postpaid \$8.75.**



### G-20 JET PRESSURE SPRAYER

Just the sprayer for the home gardener. Capacity 2½ gallons, constructed of heavy galvanized steel with attached funnel for easy filling. Brass nozzle with interchangeable discs to produce 4 patterns of spray, 18-inch extension rod and 20-inch spray hose, web carrying strap. **Each \$7.60, Postpaid.**





Prices: (1000 lots \$18.35) (5000 lots \$18.20 per 1000) (Home Garden Package—100 Hotkaps and Fibreboard Setter, \$3.15) (Garden Size—25 Hotkaps and Fibreboard Setter, 95c) (Steel Setters, \$1.95 each) (Fibreboard Setters, each 25c), F.O.B. Denver.

## HOTENTS

"THE LARGEST AND STRONGEST PROTECTOR"

552 Cubic Inches of Protected Area

Hotents are designed to protect and force all varieties of plants where a large plant protector is needed. They are made of a paper which is extra strong. It is rot-proof and allows the rays of the sun to penetrate and at the same time retains this heat. Hotents are strong, being supported by two wire bows. All the space within the protector is available for the growing plant. Especially recommended for Melons, Tomatoes, Peppers, etc. Packed 500 to package. Weight 35 lbs.

Price: 1000 for \$27.50, F.O.B. Denver

Hotent Setter, each \$2.50

## UTILITY

### 'TWIST-EMS'

Strong dark green tapes with wire reinforcing that make perfect ties for bunching vegetables, as well as for plants and vines.



Utility Twist-Ems are ¼" wide and are cut in 7", 12" and 16" lengths. They are green in color. In convenient bundles of 250 pieces.

7 inch per 1000.....\$1.55  
12 inch per 1000.....2.65  
16 inch per 1000.....3.50

TWIST-EMS in continuous rolls, 250 ft. roll for \$1.00.

## PEST EXTERMINATORS



**MOUSE SEED**—A saucer and the seed is all you need to rid your place of mice. A natural seed, chemically treated, to appeal to the mouse, yet is fatal to them. Pour a small quantity of the seed into a saucer and place where you find traces of mice, and results will be quickly obtained. They devour the seed eagerly. Price per pkg., 25c; 5 pkgs., \$1.00; 1 lb. can, \$1.50, postpaid.

**SWEENEY'S POISON WHEAT**—Sure death to rats, mice, moles and gophers. 1-oz. pkg., 20c; 3½-oz., 35c; 12-oz., 75c, postpaid.

**ANT-X TRAP**—Death to ants in house or garden. This safety type container carrier a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c each, 6 for \$1.25, postpaid.

**RAT-B-GONE Rat and Mice Bait**—Contains Warfarin, the new miracle rat and mice killer you have been reading about. A prepared bait, ready to use. 1-lb. boxes, \$1.00, postpaid.

**DEATH TO GOPHERS**—Small tablets ready to use. Scatter around holes of prairie dogs, and ground squirrels, put in runways between freshly made hills of pocket gophers. Bottle of 50 pellets, 25c; 120 pellets, 50c; 200 pellets, \$1.00, postpaid.

**DEATH TO MOLES**—Small pellets to be dropped in the Mole runways by using a pointed stick to make several holes along runways and dropping in several pellets. Bottle of 30 pellets, 25c, postpaid.

**SODIUM FLUORIDE**—Effective against cockroaches, waterbugs, and lice on poultry. For poultry can be used as a dip or dry. Used by most pigeon growers as a dip for their birds. When used for cockroaches and waterbugs apply along baseboards and corners, the sodium fluoride will destroy them and drive them away. Price: 8-oz. can, 30c; 1-lb. can, 50c.

## SCRAM DOG REPELLANT



A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.

8-oz. Shaker .....50c

## REPELLENT ROPE

Protect Your Vegetable Garden and Flower Beds



**ANIMAL REPELLANT ROPE**—A special rope treated with hardwood oils to keep dogs, cats and rabbits away from your trees, shrubs and garden. Stretch rope around area to be protected and your worries are over for the season as all animals dislike the odor of the rope. Packed 100 ft. to a can for \$1.50. Postpaid.

## NITRAGIN

"OVER FIFTY YEARS OF SERVICE"

When Ordering Always State Name of Seed

### COMBINATION (AB)

Size Retail  
1 bu. each...\$ .55  
2 bu. each... .95

### ALFALFA (A)

Sweet, Bur, Hubam Clovers  
1 bu. each...\$ .55

### CLOVERS (B)

Red, Alsike, Crimson, White and Ladino.  
1 bu. each...\$ .55

### PEAS, VETCHES (C) (All Varieties)

100 lb. size (Inoculates up to 100 lbs.) each .....\$ .50

### SOYBEANS (S)

Size Retail  
2 bu. each...\$ .40  
5 bu. each... .60  
25 bu. (1 can) 2.70

### BEANS (D)

Navy, Pinto, Wax, String, Kidney and Great Northern  
1 bu. each...\$ .55

**GARDEN SIZE**—Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans.

Enough for 8 lbs. seed—Retail Price 15c ea.



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## PARCEL POST RATES

Wt. in Lbs.	Local	ZONES				
		1-2	3	4	5	
1	\$0.18	\$0.23	\$0.23	\$0.24	\$0.26	
2	.20	.27	.29	.31	.36	
3	.21	.31	.34	.38	.45	
4	.23	.35	.39	.45	.54	
5	.24	.39	.44	.52	.63	

6	.26	.43	.49	.59	.73	
7	.27	.47	.54	.66	.82	
8	.29	.51	.60	.73	.91	
9	.30	.55	.65	.80	1.00	
10	.32	.59	.70	.87	1.10	

11	.33	.63	.75	.93	1.19	
12	.34	.67	.80	1.00	1.28	
13	.36	.71	.85	1.07	1.37	
14	.37	.75	.90	1.14	1.47	
15	.39	.79	.96	1.21	1.56	

16	.40	.83	1.01	1.28	1.65	
17	.42	.87	1.06	1.35	1.74	
18	.43	.91	1.11	1.42	1.84	
19	.45	.95	1.16	1.49	1.93	
20	.46	.99	1.21	1.56	2.02	

21	.47	1.02	1.26	1.62	2.11	
22	.48	1.06	1.32	1.60	2.21	
23	.50	1.10	1.37	1.76	2.30	
24	.52	1.14	1.42	1.83	2.39	
25	.53	1.18	1.47	1.90	2.48	

26	.55	1.22	1.52	1.97	2.58	
27	.56	1.26	1.57	2.04	2.67	
28	.58	1.30	1.63	2.11	2.76	
29	.59	1.34	1.68	2.18	2.85	
30	.61	1.38	1.73	2.25	2.95	

31	.62	1.42	1.78	2.31	3.04	
32	.63	1.46	1.83	2.38	3.13	
33	.65	1.50	1.88	2.45	3.22	
34	.66	1.54	1.93	2.52	3.32	
35	.68	1.58	1.99	2.59	3.41	

36	.69	1.62	2.04	2.66	3.50	
37	.71	1.66	2.09	2.73	3.59	
38	.72	1.70	2.14	2.80	3.69	
39	.74	1.74	2.19	2.87	3.78	
40	.75	1.78	2.24	2.94	3.87	

41	.76	1.81	2.29	3.00	3.96	
42	.78	1.85	2.35	3.07	4.06	
43	.79	1.89	2.40	3.14	4.15	
44	.81	1.93	2.45	3.21	4.24	
45	.82	1.97	2.50	3.28	4.33	

46	.84	2.01	2.55	3.35	4.43	
47	.85	2.05	2.60	3.42	4.52	
48	.87	2.09	2.66	3.49	4.61	
49	.88	2.13	2.71	3.56	4.70	
50	.90	2.17	2.76	3.63	4.80	

51	.91	2.21	2.81	3.69	4.89	
52	.92	2.25	2.86	3.76	4.98	
53	.94	2.29	2.91	3.83	5.07	
54	.95	2.33	2.96	3.90	5.17	
55	.97	2.37	3.02	3.97	5.26	

56	.98	2.41	3.07	4.04	5.35	
57	1.00	2.45	3.12	4.11	5.44	
58	1.01	2.49	3.17	4.18	5.54	
59	1.03	2.53	3.22	4.25	5.63	
60	1.04	2.57	3.27	4.32	5.72	

61	1.05	2.60	3.32	4.38	5.81	
62	1.07	2.64	3.38	4.45	5.91	
63	1.08	2.68	3.43	4.52	6.00	
64	1.10	2.72	3.48	4.59	6.09	
65	1.11	2.76	3.53	4.66	6.18	

66	1.13	2.80	3.58	4.73	6.28	
67	1.14	2.84	3.63	4.80	6.37	
68	1.16	2.88	3.69	4.87	6.46	
69	1.17	2.92	3.74	4.94	6.55	
70	1.19	2.96	3.79	5.01	6.65	

## PARCEL POST INFORMATION

**C.O.D. SHIPMENTS**—It is more convenient and less costly to remit with order. The post office charges a collection fee and a fee for the money order for remitting the collection to us.

## NO PLANTS OR NURSERY STOCK SENT C.O.D.

**PACKAGES** weighing not more than 70 lbs. and measuring not more than 100 inches in length plus girth (distance around) at widest point, may be mailed to all zones at the rates shown on the right.

## How to Order and Remit — Read Carefully

Use the order sheet enclosed in catalog if possible. Write your name, postoffice shipping point or nearest express office, and state.

**Prepaid Orders**—We prepay postage on all vegetable and flower seeds, in packets, ounces, quarter pounds and pounds at prices quoted herein, to any point within the fourth postal zone from Denver. We do not prepay postage on Beans, Peas, Corn, Field Seeds, Fertilizers, unless quoted prepaid. If wanted by parcel post, add postage at zone rate.

**Remittances** should be made by POSTAL MONEY ORDER, EXPRESS MONEY ORDER, OR CERTIFIED CHECK. Parties buying large quantities of any one variety will be quoted special prices on application.

**ALL prices NET**, and while we do not think there will be any serious change, are made subject to market changes and prior sales.

**THE ROCKY MOUNTAIN SEED CO.**  
gives no warranty, express or implied, as to the productiveness of any seeds, plants or bulbs it sells and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price.



[illegible]



[illegible]

If you have any neighbors or friends whom you think would be interested in our Catalog, if you will send us their names and addresses in the specially prepared spaces below we will send them a copy of this Catalog and place their names on our mailing list for future issues of same.

[illegible]



## FANCY DAHLIA BULBS



**BEARDED IRIS, GREAT LAKES**  
45c each; 3 for \$1.25, Postpaid



**DAHLIA, MME. LE BOUTILLIER**  
50c each, Postpaid



## TUBEROUS ROOTED **BEGONIA** GIANT CAMELLIA FLOWERED

Colors: White, Pink, Salmon, Yellow, Orange, Red.  
3 for \$1.10; Dozen \$3.50; 25 for \$6.50; 100 for \$22.50.  
Postpaid

So easy to grow, so overwhelmingly repaying with a wealth of gorgeous blooms. The colorful TUBEROUS BEGONIAS are worthy of a place in any flower-loving home.

See pages 35, 38, 39 for other varieties of flowering bulbs.



## **BLUE RIBBON MIXTURE OF GLADIOLUS**

12 bulbs for 85c; 50 bulbs for \$3.00. Postpaid.





**RED PINOCCHIO**  
(Pat. 812)  
\$1.50



**FASHION** — Each \$2.00

## Floribunda Roses

*Give a spectacular  
show of color from  
early spring until  
late fall.*

*Easy to grow  
and are very  
hardy.*

*2-year plants.*



**GOLDILOCKS** (Pat. 672)  
Each \$1.50



**LILIBET**  
(P.A.F.)  
\$2.50

**VOGUE**  
(Pat. 926)  
\$2.00



**The Rocky Mountain Seed Co.**